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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF MARKETS
Washington, D. C.

July 20, 1920.

THE FLUID MILK MARKET REPORT FOR THE UNITED STATES.

(Copies of the monthly reports on fluid milk prices in the United States will be sent regularly free of charge to all persons requesting this service. Requests for these reports should be addressed to the Chief of the Bureau of Markets, U. S. Department of Agriculture, Washington, D. C.)

Table I - PRODUCERS' PRICES FOR STANDARD GRADE MILK.

The following table presents a comparison of the net prices received by producer for fresh milk delivered f.o.b. local shipping points or milk plants operated by fluid milk dealers, or concerns whose chief business is the distribution of natural milk. These prices apply to milk testing 3.5% butterfat and differ from the f.o.b. city prices given in Table III by the costs of transportation applicable to different shipping points.

Sections	Range of July Prices		Comparison of Prices for the Same Markets			
	Number	Prices	Number	1920	1920	1919
	Local Markets	per Hundredweight	Local Markets	Average for June	Average for July	Average for July
UNITED STATES	3118	2.10-6.16	3071	3.21	3.33	3.08
New England	255	2.75-4.85	255	3.69	3.96	3.19
Middle Atlantic	1224	2.78-4.04	1204	3.11	3.21	3.09
E. North Central	682	2.28-3.72	682	3.00	3.16	2.94
W. North Central	322	2.10-3.82	315	3.00	3.13	2.94
South Atlantic	162	3.25-6.16	154	4.34	4.35	3.59
E. South Central	88	2.66-3.52	88	2.91	2.90	3.15
W. South Central	75	2.91-5.50	63	3.84	3.84	3.81
Mountain	97	2.45-3.47	97	3.04	3.00	2.74
Pacific	213	2.86-4.41	213	3.42	3.59	3.10

The states making up the geographic divisions are as follows: New England - Maine, N.H., Vt., Mass., R.I., and Conn.; Middle Atlantic- N.Y., N.J., and Pa; East North Central- Ohio, Ind., Ill., Mich., and Wis.; West North Central- Minn., Iowa, Mo., N.D., S.D., Nebraska and Kansas; South Atlantic- Del., Md., D.C., Va., W.Va., N.C., S.C., Ga. and Florida; East South Central- Ky., Tenn., Ala., and Miss.; West South Central- Ark., La., Okla., and Texas; Mountain- Mont., Idaho, Wyo., Colo., N.M., Ariz., Utah and Nevada and Pacific-Wash., Ore., and California.

Table II- JULY PRICES FOR SPECIAL GRADES OF MILK AND CERTAIN MILK PRODUCTS.

The following table shows the wholesale and retail prices reported for "special" and "certified" milk and certain other dairy products delivered at wholesale buyers' places of business and at the homes of retail consumers. Wholesale prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users. Quotations for wholesale milk and light cream have been reduced to a gallon basis. For heavy cream, the wholesale price is quoted per pound of butterfat. For prices of "standard milk", see Table III of this Report.

CITIES	Special Milk	Certi- fied Milk	Cultured Buttermilk		Cottage Cheese		Light Cream 18-20% B.F.		Heavy Cream 28-40% B.F.
	Retail Cts per Qt.	Retail Cts per Qt.	Whole-sale Cts per Gallon	Re-tail Cts per Quart	Whole-sale Cts per Lb.	Re-tail Cts per Lb.	Wholesale Dollars per Gallon	Re-tail Qts per 1/2 pt.	Wholesale Price per Lb Butterfat
Boston	20	26	28	11.5-12	6.5	26	1.37-1.46	16	.91
New York	19	26	--	12	8	10	--	21	1.09-1.14
Buffalo	--	25	--	--	--	--	--	20	--
Philadelphia	16	28	--	--	--	--	1.60	18	--
Pittsburgh	--	25	--	--	8-10	--	1.70-1.90	18	1.12
Cleveland	20	32	--	15	14	18	1.90	20	1.17
Chicago	22	25	43	10-15	--	20.8	1.85	17	1.02
Milwaukee	15-18	25	--	--	8-10	16	1.60	15	.81
Detroit	22	25	--	--	12	16	1.80	16	1.09
Minneapolis	--	20	--	12	8	16	1.75	15	1.01
St. Louis	18	22	--	18	--	15-16	--	17	--
Des Moines	17	25	--	16	11-12.5	13-20	1.60-1.75	15	.91
Washington	20	30	44	14	10	15	1.85-2.00	17-18	1.06
Richmond	17	--	--	16	--	--	1.70	16	--
Tampa	--	--	--	--	18	25	1.50	15	.95
Baltimore	--	--	58	16	--	--	1.80-1.90	--	1.08-1.28
Louisville	--	--	--	16	--	--	1.40	16	.84
Memphis	--	25	--	--	--	20	--	18	--
New Orleans	19	--	45	15	--	--	1.80	16	.96
El Paso	--	--	--	--	16	25	1.75	19	.98
Colo. Springs	15	--	--	--	--	--	1.60	13-15	.97
Salt Lake City	--	--	25	7.5	--	--	1.50	15	.92
Portland	--	21	45	14	10	15	1.80	17-18	--
Spokane	--	--	44	15	10	--	1.75-1.80	16	--
San Francisco	--	23	--	16	--	15	1.80	15	.89

TABLE III.- JULY COST AND SELLING PRICES OF "STANDARD GRADE MILK".

The following table presents the prevailing prices of "standard grade milk" in various markets of the United States. The prices given herewith are those paid or charged by the larger fluid milk marketing concerns of each city. If different dealers report different prices the highest and lowest prices are given in this table rather than an average of the different prices reported. In markets where there are active producers' marketing associations with whom dealers negotiate for a considerable portion of the city's milk supply, the association's selling price is indicated by an asterisk (*).

Unless the prices given in the first column of this table are followed by the letter "a" they apply to milk delivered to dealers at either city railroad terminals or at the dealers' distributing plant if deliveries are made direct from farms. When the price paid by dealers to producers applies to deliveries at country receiving stations and varies with different distance zones, the particular zone to which the given price applies is given in the foot note numbered to correspond to the number placed before the market in question.

The term "standard grade milk" is used to refer to that grade of milk which is most generally sold within the particular city for which prices are quoted. This grade of milk may be either raw or pasteurized but in case of most of the larger cities it is pasteurized. The "dealer's spread" or the difference between cost and selling prices for both wholesale and retail transactions, can be ascertained if the butterfat test of milk as delivered to different classes of trade is known. The prevailing butterfat test varies with different cities. In many cities it ranges from 3.5 to 3.7%, whereas in some cities it seldom ranges below 4.0%.

To reduce prices per hundredweight to either a gallon or a quart basis divide by 11.63 or 46.53 respectively. See footnotes for basis of quotations and exceptions to given prices or special contractual provisions relating to the prices to be paid producers in different markets.

MARKETS FOR WHICH PRICES ARE GIVEN	Producers' Selling Prices per Cwt. of Farm Milk Deliv- ered in Bulk:— (Flat Prices or Reduced to 3.5% B.F. Basis	Butterfat test required for basic price	Dealers' Selling Prices*					Retail Stores' Selling Prices per Single Quart of Bottled Milk	Relation of Supply and Demand Conditions for July:— ** Estimated Surplus or Shortage	(+ or -) of June Sales over or under May Sales ***
			To Wholesale Trade		To Family Trade					
			Per Gallon (in lots of 5 to 20 Gallons) of Bulk Milk	Per Quart (in Cases of 12) Bottled Milk	Per Single Quart of Bottled Milk	Per Single Quart of Bottled Milk	Per Single Quart of Bottled Milk			
			Allowances or Prices per 1/10% Butterfat in a Hundredweight of Milk	Cts	Cts	Cts	Cts	Cts		
Alabama:	\$	%	Cts	Cts	Cts	Cts	Cts	Cts		
Birmingham	3.15*-3.50	Str B.F.	9.0-10.0	60	15	20	20-26	--	--	
Mobile	---	--	--	40-50	--	15-25	15-25	--	--	
Arizona:										
Phoenix	No Reports Received									
Tucson	" "	"	"							
Arkansas:										
Little Rock	No Reports Received									
California:										
San Francisco	4.07*c	3.6	2.9	45.6	13-14	15-16	14-16	--	-3.5	
Los Angeles	4.55	Str B.F.	13.0	60	17	18	18	Shortage	--	
1. San Diego	4.45*c	4.0	g	--	--	--	--	--	--	
Colorado:	2.80-2.97*		8.0-8.5							
Denver	2.62a	Str B.F.	7.5	35	12	13	13	--	--	
Colo. Springs	3.67	3.0	3.5	35-37.5	12	13	15	Surplus	--	
Pueblo	No Reports Received									
Connecticut:	4.68-4.98*b		4.0							
2. Hartford	3.29a	--	4.0	52	15	17	17	Surplus	--	
3. Bridgeport	3.82	--	4.0	48	14	16	16	Shortage	--	
	3.29a	--	4.0							
2. New Haven	4.75*b	--	4.0	52	15	17	17	Surplus	--	
	3.34a	--	4.0							
Delaware:										
Wilmington	No Reports Received									
Dist. of Colo:	4.07-4.19*									
Washington	3.49*a	--	4.0	52-56	13-14	16	14-16*	Surplus	--	
Florida:										
Jacksonville	5.81	4.2	5.0	70	22	25	20-25	--	--	
Miami	--	--	--	70-80	20	25	25	--	--	
Tampa	--	--	--	65	--	20	--	--	--	
Georgia:										
Atlanta	5.23-5.82*b	Flat		65	21	25	--	--	--	
Augusta	4.07	--	11.63	55	14	--	--	--	--	
4. Savannah	5.82	Flat Price		50-80	20	25	25	--	--	
Idaho:										
Wallace	No Reports Received			--	--	--	--	--	--	

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North Carolina:	\$	\$	Cts	Cts	Crs	Cts		%
Asheville	No Reports Received							
Charlotte	5.23b	Flat Price	60	16	20-22	20*	--	--
Raleigh	--	--	60	18	20	--	Surplus	--
North Dakota:								
Fargo	No Reports Received							
Jamestown	" "	" "						
Ohio:								
Akron	3.80*	--	5.0	46	13	15	15	--
	3.779	--	5.8					
Cleveland	(3.25a	--	5.0	45	13.5	15	--	--
	3.60*b	3.5-	4.5 above					
14 Cincinnati	(2.75*ab	4.0	3.5 below	48	14	15	15	--
Toledo	3.60-3.85	Flat Price	44	13.5	15	15	--	--
Columbus	3.25	4.0	5.0	43	12	14	--	--
			5.0 above					
Dayton	3.25	4.0 (	5.0 below	45	14	16	16	Small Surplus
Oklahoma:								
Oklahoma City	No Reports Received							
Tulsa	3.15	Str.B.F.	9.0	50-55	16	--	20	Surplus --
Oregon:								
Eugene	3.50	Flat Price	40	13	15	15	Equal	--
Salem	No Reports Received							
Portland	3.20-3.50	Flat Price	45	12	13	--	Shortage	--
Pennsylvania:								
Pittsburgh	3.95	--	5.0-5.8					
	(3.15*a	--	5.0	42-48	14.5	15	--	+11.5
	(3.94*b	--	4.0					
15 Philadelphia	(3.41*ab	--	4.0	46-48	13	14	14	--
Harrisburg	--	--	--	48	12	14	14	--
16 Wilkes-Barre	3.15a	3.0	4.0	48	--	14	14	Surplus --
Scranton	3.49	--	4.0	40	13	14	14	--
Rhode Island:		See						
Providence	4.4175b	Footnote	56	15	--	17	--	--
Newport	5.00	Flat Price	56	15	17	17	--	--
South Carolina:								
Charleston	--	--	--	80	--	25	25	--
Greenville	6.40	Flat Price	70	--	25	25	--	--
South Dakota:								
Lead	No Reports Received							
Sioux Falls	" "	" "						
Tennessee:								
Memphis	--	--	--	--	--	18	--	Shortage - 1.7
17 Nashville	d	--	d	45	16	17	17	--
Chatanooga	2.975*	Str.B.F.	8.5	60	16	19-20	--	--
Texas:								
Dallas	No Reports Received							
Fort Worth	3.50	Str.B.F.	10.0	55	--	20	18	--
Galveston	5.00-5.81	Flat Price	50-60	16.25	20	20	20	Small Surplus +5.1
			6.0 above					
El Paso	4.15-4.45*b	4.0	5.0 below	50	15	19	19	Small Surplus +6.9
San Antonio	No Reports Received							
Utah:								
Salt Lake City	3.37-3.49	Flat Price	33	11	13	--	--	--
Vermont:								
Burlington	2.75-3.50	Flat Price	--	11-12	14	13	--	--
Virginia:								
Richmond	5.00-5.12	Flat Price	56	16	16	--	--	--
Roanoke	4.65b	Flat Price	52	15	17	--	--	--
Norfolk	No Reports Received							
Washington:								
18 Seattle	3.58b	3.6	7.0	41	11	14	--	Surplus + .7
Spokane	3.25-3.49*	3.6	5.0	44-48	12-13	14.5-15	14-15	Shortage --
West Virginia:								
Wheeling	4.00	--	5.0	48	14	16	16	--
Clarksburg	3.32	--	8.0	35	14	15	16	--
Wisconsin:								
Milwaukee	3.60*	Flat Price	42	12	13	13	--	--
Beloit	3.05-3.20*	--	4.0	40	12	13	13	--
Green Bay	2.70	Flat	38	10.5	12	12	12	Surplus --
La Crosse	No Reports Received							
Wyoming:								
Cheyenne	No Reports Received							

Explanations Regarding Prices and Other Data Given in Table III.

Dealers' selling prices apply to milk delivered to homes of retail customers or to business establishments of wholesale customers. Retail store prices apply to systems of chain stores operated on the "cash and carry" basis and to independent grocers operating on a "credit and delivery" basis. In case "cash and carry" stores sell at reduced prices, this class of stores selling prices are indicated by an asterisk ().

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Illinois:	\$	\$	Cts	Cts	Cts	Cts	Cts	%
Chicago	3.70*	Flat Price						
Peoria	(3.20*a	--	4.0	46.5-48	14-15	15	14-15	Shortage --
Rockford	3.20*	--	6.0	--	--	15	--	Shortage --
Indiana	No Reports Received							
Fort Wayne	(2.90-3.00	Flat Price	45	13	15	15		Surplus --
Indianapolis	(2.80-2.98*	2.0-8.5						
South Bend	(2.28-2.45ad*	--	6.5-7.0	44	12-12.5	14	14	Surplus + 8.3
Evansville	3.20	--	4.0	40	12	14	14	Surplus --
	3.22	--	9.2g	47-49	14.5	16	16	Equal --
Iowa:								
5.Des Moines	3.50*b	--	5.0	40-42.5	13	15	15	-- --
Dubuque	No Reports Received							
Sioux City	3.30	4.0	6.0	45	13.5	15	15	Surplus --
Davenport	--	--	--	38	11	14	13-14	-- --
Kansas:								
Topeka	3.20-3.30	Flat		35-45	13	15-18	15	-- --
Kansas City	3.60	Flat Price	--	--	--	--	--	-- --
Wichita	No Reports Received							
Kentucky:	3.8-							
Louisville	3.11d	4.2	5.0d	38	14	16	16	Equal --
Lexington	3.72	Flat Price		55	15	18	--	-- --
Louisiana:								
Baton Rouge	4.42*	Flat Price	--	--	--	--	--	-- --
New Orleans	4.17-4.42*b	4.0	5.0	50	15	17	17	-- --
Alexandria	4.65a	Flat Price		50	15	--	20	-- --
Maine:								
Auburn	No Reports Received							
Portland	--	--	--	48	13	15	--	-- --
Maryland:	3.75-4.27b	4.0	.6					
6.Baltimore	(3.25ab	Flat Price		58	16	16	16	Surplus --
Cumberland	4.80	--	3.0	54	16	17	17-19	Surplus --
Massachusetts:	4.42*b	See						
7.Boston	(3.72*ab	Footnote		52.5	15.25	17	17	Surplus --
Springfield	4.42b	Flat Price		52	14	16	--	-- --
Fall River	4.25a	Flat Price		48-52	12-14	15-17	15-16	-- --
Worcester	4.42	Flat Price	--	--	--	--	--	-- --
Pittsfield	4.42b	Flat Price	--	--	--	16	16	Surplus --
Michigan:	3.70							
Detroit	(3.40a*	--	4.0	60	15	16	16	-- --
Grand Rapids	3.48*	--	4.0	40-42	12	14	14	Shortage --
Kalamazoo	4.00*	Flat Price		48	13	15	15	-- --
Bay City	3.30	Flat Price		44	--	--	12	Equal --
Minnesota:								
8.Minneapolis	2.80*d	--	5.0	42	11.5	13	13	-- --
8.St. Paul	2.80*d	--	5.0	44	12	13	13	-- --
Duluth	3.00	--	5.0	44	13	15	15	-- --
Winona	3.88	Flat Price		46	12	13	13	-- --
Missouri:	3.23-3.44	4.0	.6-3.5					
Kansas City	(2.39-2.44a	4.0	3.5-7.0	45-50	14	15	14-15	About Equal
St. Joseph	No Reports Received							
St. Louis	(3.72-3.82	Flat Price						
	3.25a	--	3.0	--	14	15	--	-- --
Montana:	3.32	Str.	9.5					
Butte	(3.15a	B.F.	9.0	40-45	12.5	15	--	Surplus --
Nebraska:	3.00							
Lincoln	(2.65a	Flat Price		45	12	13-14	14-15	-- --
Omaha	2.50	--	5.0	42.5	14.5	15.39	--	Surplus --
	2.10a							
Nevada:								
Carson City	2.91	Flat Price		35	12	12	--	Shortage --
New Hampshire:								
Concord	--	--	--	--	12-13	15	--	-- --
Manchester	No Reports Received							
New Jersey:								
Atlantic City	3.92	--	4.0	--	--	14	--	-- --
9.Newark	(3.60	3.6	4.0	42-44	12	16	--	-- --
	3.15a							
10.Trenton	(3.94							
	3.28*a-3.43*ab	--	4.0	40-48	12-14	14	16	-- --
Camden	3.99	--	4.0	--	--	14	--	Surplus --
New York:	3.51	Flat Price						
11 Buffalo	(3.02a	--	4.0	--	13	15	15	Surplus --
12 New York	3.15a	--	4.0	41-44	--	16	16	Shortage & Surplus
13 Rochester	3.51	Flat Price		42	12	13.5	13.5	-- --
Albany	3.23a	Flat Price		38-40	15	15-17	17	Surplus --
Syracuse	3.08-3.12	3.0	4.0	38-44	13	15	15	Shortage --

#Some firms report a shortage and other firms a surplus.

**Estimated surpluses or shortages are based on the current receipts of milk from the regular patrons supplying the leading dealers, compared with their past month's sales and the prospective market demand conditions for the present month.

***Comparisons of increases or decreases in monthly sales of market milk and the usual by-products handled by milk dealers are based on the sales records of same firms reporting for each month. It is important to note that the percentages given in the last column of this table are representative of sales conditions of only one or two of the larger dealers in each city and do not necessarily represent the actual condition for the market as a whole.

a This price applies to milk delivered at dealers' country receiving stations or at producers' railway shipping points. In the second column of this table there is given the f.o.b. city cost of bulk milk purchased on this basis including both transportation costs and country station operating expenses of one or more of the larger milk marketing concerns operating in this market. See foot note corresponding to number preceding the name of the city or market in order to ascertain the particular zone rate to which prices given in first column apply.

b The price given for this market in the first column of the table is applicable only to that portion of the dealers' supply that is resold in the form of fluid milk and cream or to such a portion of each individual producer's supply as comes within the limits of variation in production that is permitted by the terms of his contract with the dealer.

c In this market a producers' marketing agency, or association, arranges for the disposition of all surplus milk at whatever prices it is able to obtain, either by selling it to concerns which buy the milk for purposes of converting it into manufactured dairy products or by manufacturing the surplus in factories operated by the association or agency itself.

d In this market the price of milk is based on some accepted wholesale market quotation for butter or for American cheese. In case no prices are given it is because they are dependent upon the average of the quotations for the current month.

g Fat in excess of 4% is paid for on the basis of current prices paid by creameries for cream used in making butter or on the basis of some accepted wholesale butter market quotations. In San Diego a premium of 14 cents over the San Francisco market is paid per pound of "excess fat".

1. For the San Diego method of determining milk prices see page 5 of the February report.

2. For basis of producers' prices and surplus plan in the New Haven, Waterbury and Hartford markets, see note 3 page 5 of the April report.

In New Haven one dealer's country stations are located in the 21-30 mile zone of the New York regional market and the New York Dairyman's League prices apply to milk purchased there. In the Hartford market the Dairyman's League prices apply to milk delivered at country stations located in the 61/70 mile zone of the New York regional market.

3. The "country station price" given for the Bridgeport market applies to shipments of milk originating in the 81-90 mile zone for the New York regional market.

4. The city of Savannah in cooperation with a charity organization sells 25 gallons of milk per day at 10 cents per quart.

5. See page 5, note 6 of the May report for explanation regarding surplus milk for the Des Moines market.

6. See March report, page 6 for description of agreement regarding surplus milk for the Baltimore market. The price of such milk for the month of July is 6 cents per gallon less than the regular price to direct shippers.

7. The "country station price" given for the Boston market applies to the 201-220 mile zone. The price schedule for milk delivered during July is based on \$4.42 per hundredweight f.o.b. Boston. When milk is bought by weight and test the dealer will make allowances for variations in butterfat test on the basis of the average monthly quotations of the Boston Chamber of Commerce for creamery extra butter per pound. This price per pound or per point shall be added to each 0.1 of 1% above 3.7% and deducted for each 0.1 of 1% below 3.7% for each hundredweight of milk. The association further accepts the loss arising from surplus production by their members according to terms and conditions of the surplus plan previously adopted by the Federal Milk Commission for New England.

8. See February report, page 5 for the basis for determining the price to be paid producers for milk in the Minneapolis and St. Paul market. The following allowances per hundredweight have been agreed upon: June-40 cents; July-45 cents; August-55 cents; September-55 cents; October-60 cents; November-60 cents; and December-55 cents.

9. \$3.15a applies to shipments of milk received in Newark originating in the 200 mile zone for the New York regional market.

10. Two distinct "country station" price schedules apply to the Trenton market. \$3.28 is the Dairyman's League price applying to shipments of milk originating in the 71-80 mile zone for the New York market. \$3.48 applies to shipments originating in the 131-140 mile zone of the Philadelphia market.

11. The "country station price" for Buffalo is the price applying to shipments of milk originating in the 390-400 mile freight zone from New York City.

12. For basis of producers' prices in the New York market see note 14, page 6 of the May report. The "country station price" given for the New York City market applies to the 200-210 mile zone.

13. The "country station price" for the Rochester market is the price applying to shipments of milk originating in the 370-380 mile freight zone from New York City.

14. In the Cincinnati market the price of \$3.60 per hundredweight is to be paid for basic quantities of milk containing from 3.5 to 4.0% butterfat. Basic quantities are determined by the production during November and December, 1919, and January and February 1920. Any amount delivered during June which is above the averages for these months is considered surplus and will be paid for at \$2.85 per hundredweight.

15. For basis of producers' prices in the Philadelphia market see "Philadelphia Milk Price Agreement" on page 6 of the April report. The "country station" price for the Philadelphia market given in table III of this report applies to the 51-60 mile freight zone.

16. The "country station price" given for the Wilkes-Barre market applies to shipments of milk originating in the 201-210 mile zone of the New York regional market.

17. See footnote 21, page 6 of the May report for basis of producers' prices and surplus plan for the Nashville market.

18. See note 22, page 6 of the May report for explanation regarding producers' prices for the Seattle market. The price of \$3.58 applies to basic quantities of 3.6% milk, which are determined by averaging total shipments from August 1st to April 1st inclusive. The price of surplus milk is based on current market quotations for butterfat.

George Livingston,
Chief of Bureau.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF MARKETS
Washington, D. C.

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THE FLUID MILK MARKET REPORT FOR THE UNITED STATES.

(Copies of the monthly reports on fluid milk prices in the United States will be sent regularly free of charge to all persons requesting this service. Requests for these reports should be addressed to the Chief of the Bureau of Markets, U. S. Department of Agriculture, Washington, D. C.)

Table I - PRODUCERS' PRICES FOR STANDARD GRADE MILK.

The following table presents a comparison of the net prices received by producers for fresh milk delivered f.o.b. local shipping points or milk plants operated by fluid milk dealers, or concerns whose chief business is the distribution of natural milk. These prices apply to milk testing 3.5% butterfat and differ from the f.o.b. city prices given in Table III by the costs of transportation applicable to different shipping points.

Sections	Range of August Prices		Comparison of Prices for Same Markets			
	Number Local Markets	Prices per Hundredweight	Number Local Markets	1920 Average for July	1920 Average for August	1919 Average for August
UNITED STATES	3149	\$2.10-\$6.69	2963	\$3.34	\$3.59	\$3.40
New England	265	\$2.50-\$4.90	250	\$3.96	\$4.12	\$3.76
Middle Atlantic	1214	\$2.84-\$4.35	1199	\$3.21	\$3.62	\$3.37
E. North Central	607	\$2.30-\$3.96	557	\$3.17	\$3.26	\$3.41
W. North Central	336	\$2.10-\$4.42	328	\$3.11	\$3.40	\$3.10
South Atlantic	171	\$3.05-\$6.69	158	\$4.37	\$4.49	\$3.79
E. South Central	130	\$2.85-\$4.45	88	\$2.90	\$3.14	\$3.23
W. South Central	78	\$2.87-\$4.65	58	\$3.87	\$4.10	\$4.06
Mountain	117	\$2.45-\$3.70	112	\$3.01	\$3.01	\$2.98
Pacific	231	\$3.00-\$4.41	213	\$3.59	\$3.65	\$3.25

The states making up the geographic divisions are as follows: New England- Maine, N.H., Vt., Mass., R.I., and Conn.; Middle Atlantic- N.Y., N.J., and Pa.; East North Central- Ohio, Ind., Ill., Mich., and Wis.; West North Central- Minn., Iowa, Mo., N.D., S.D., Nebraska and Kansas; South Atlantic- Del., Md., D.C., Va., W. Va., N.C., S.C., Ga. and Florida; East South Central- Ky., Tenn., Ala., and Miss.; West South Central- Ark., La., Okla., and Texas; Mountain- Mont., Idaho, Wyo., Colo., N.M., Ariz., Utah and Nevada and Pacific- Washington, Oregon and California.

TABLE II - AUGUST PRICES FOR SPECIAL GRADES OF MILK AND CERTAIN MILK PRODUCTS.

The following table shows the wholesale and retail prices reported for "special" and "certified" milk and certain other dairy products delivered at wholesale buyers' places of business and at the homes of retail consumers. Wholesale prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users. Quotations for wholesale milk and light cream have been reduced to a gallon basis. For heavy cream, the wholesale price is quoted per pound of butterfat. For prices of "standard milk", see Table III of this Report.

CITIES	Special Milk	Certified Milk	Cultured Buttermilk		Cottage Cheese		Light Cream 18-20% B.F.		Heavy Cream 23-40% B.F.
	Retail Price per Quart	Retail Price per Quart	Wholesale Price per Gal	Retail Price per Qt	Wholesale Price per Lb	Retail Price per Lb	Wholesale Price per Gallon	Retail Price per 1/2 qt	Wholesale Price per Lb. Butterfat
	Cts	Cts	Cts	Cts	Cts	Cts	\$	Cts	\$
Boston	19-20.5	24-27	--	11(pt)	--	26	1.37-1.475	16	1.01-.95
New York	20	27	--	12	--	12	1.88	21	1.17
Buffalo	--	--	--	--	--	--	--	--	--
Philadelphia	17	30	--	13	7	8	1.84	18	1.00
Pittsburgh	--	25	--	--	10	--	1.70-1.98	18	1.04-1.12
Cleveland	20	32	--	15	14	18	1.90	20	1.17
Chicago	22	25	40	10	--	20.8	1.65-2.00	17	1.10
Milwaukee	15	25	20	8	8-10	12	1.60	16	.90
Detroit	22	25	--	11(pt)	11	16	1.80	18	1.03
Minneapolis	--	20-22	--	14	10	15	1.85	16	1.12
St. Louis	20	25	--	14	14	15-13	--	--	--
Des Moines	17	25	--	10-14	12.5-16	18-20	1.60-1.75	16	1.00-1.10
Washington	16-17	30	44	14	--	--	1.85-2.00	16-14	1.21
Richmond	17	--	--	16	--	--	1.70	16	1.09
Jacksonville	30	--	40	12	25	25	--	16	1.36
Baltimore	20	--	58	15	--	--	1.50	--	1.03-1.27
Louisville	--	28	--	16	--	--	1.44-1.50	16	.96
Memphis	--	25	--	20	--	26.6	1.75	13	--
New Orleans	19	--	45	15	--	--	1.80	16	.96
Hot Springs	15	--	--	--	10	12	1.60	13	.97
Indianapolis	15	--	25	8	--	10	1.75	15	1.00
Portland	--	21	45	14	10	15	1.80	17	1.12
Spokane	--	--	44	15	--	--	1.80-1.90	15-17	1.09
San Francisco	--	25	--	14	--	15	2.00	17	.96

TABLE III.- AUGUST COST AND SELLING PRICES OF "STANDARD GRADE MILK".

The following table presents the prevailing prices of "standard grade milk" in various markets of the United States. The prices given herewith are those paid or charged by the larger fluid milk marketing concerns of each city. If different dealers report different prices the highest and lowest prices are given in this table rather than an average of the different prices reported. In markets where there are active producers' marketing associations with whom dealers negotiate for a considerable portion of the city's milk supply, the association's selling price is indicated by an asterisk (*).

Unless the prices given in the first column of this table are followed by the letter "a" they apply to milk delivered to dealers at either city railroad terminals or at the dealers' distributing plant if deliveries are made direct from farms. When the price paid by dealers to producers applies to deliveries at country receiving stations and varies with different distance zones, the particular zone to which the given price applies is given in the foot note numbered to correspond to the number placed before the market in question.

The term "standard grade milk" is used to refer to that grade of milk which is most generally sold within the particular city for which prices are quoted. This grade of milk may be either raw or pasteurized but in case of most of the larger cities it is pasteurized. The "dealer" spread or the difference between cost and selling prices for both wholesale and retail transactions, can be ascertained if the butterfat test of milk as delivered to different classes of trade is known. The prevailing butterfat test varies with different cities. In many cities it ranges from 3.5 to 3.7%, whereas in some cities it seldom ranges below 4.0%.

To reduce prices per hundredweight to either a gallon or a quart basis divide by 11.63 or 46.53 respectively. See footnotes for basis of quotations and exceptions to given prices or special contractual provisions relating to the prices to be paid producers in different markets.

MARKETS FOR WHICH PRICES ARE GIVEN	Producers' Selling Prices per Cwt. of Raw Milk Deliv- ered in Bulk: - (Flat Prices or Reduced to 3.5% B.F. Basis	Dealers F.O.B. City Cost per Cwt. of 3.5% Milk Collected Through Country Stations (a)	Allowances or Prices per 1/10% Butterfat in a Hundredweight of Milk	Dealers' Selling Prices*			Retail Stores' Selling Prices per Single Quart of Bottled Milk	Relation of Supply and Demand Conditions for August: ** Estimated Surplus or Shortage	Increase or Decrease in % (+ or -) of July Sales over or under June Sales ***
				To Wholesale Trade		To Fami- ly Trade			
				Per Gallon (in lots of 5 to 20 Gallons) of Bulk Milk	Per Quart (in Cases of 12) Bottled Milk	Per Single Quart of Bottled Milk			
Alabama:	\$	\$	Cts	Cts	Cts	Cts	Cts		%
Birmingham	3.15*-3.50	--	9.0-10.0	60-64	15	20-25	20-26	--	--
Mobile	--	--	--	--	--	18-25	18-25	--	--
Arizona:									
Phoenix	No Reports Received								
Tucson	" "	"	"						
Arkansas:									
Little Rock	4.07a	--	11.63	50	16	20	20	shortage	-2.42
California:				49.6-					
San Francisco	4.51*c	--	2.9	66	14	17	16-17	--	--
Los Angeles	4.55	--	13.0	59	17	18	18	shortage	--
San Diego	4.45*c	--	8	--	--	--	--	--	--
Colorado:									
Denver	2.98*	--	8.5	35	11	13	12	--	--
Colo. Springs	3.67	--	3.5	35-40	12	12-13	12*-15	surplus	--
Pueblo	3.96	--	12.0	45	12	15	--	--	--
Connecticut	4.68-4.35*b		4.0						
Hartford	3.60a	4.01	4.0	52	15	17	17	equal	--
Bridgeport	3.66a	4.22	4.0	52	15	17	--	shortage	--
	4.85*b-4.38		4.0						
New Haven	3.74a	--	4.0	54	14-15	16-17	16	shortage	--
Delaware:									
Wilmington	No Reports Received								
Dist. of Colo.	4.07-4.19*		4.65						
Washington	3.40*a	--	4.63	52-56	14	16	14*-16	surplus	- 2.1
Florida:									
Jacksonville	5.47	--	5.0	70	22	25	20-25	--	--
Miami	--	--	--	50-80	20	25	25	shortage	-20.7
Tampa	--	--	--	65	--	20	--	surplus	--
Georgia:									
Atlanta	5.32*-6.40*	--	Flat	65	--	25	--	--	--
Augusta	4.07	--	11.63	55	14	20	20	--	--
Savannah	5.82	--	Flat	--	20	25	25	--	--
Idaho:									
Wallace	No Reports Received								

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North Carolina:	\$	\$	Cts	Cts	Cts	Cts	Cts		%
Asheville	4.50	--	Flat	52	14	17	--	equal	+3.95
Charlotte	--	--	--	60	16	20-22	20	--	--
Raleigh	5.23	--	Flat	65	18	20	--	surplus	--
North Dakota:									
Fargo	--	--	--	40	12	15	15	--	--
Jamestown	2.75	--	Flat	40	10	12.5	--	equal	8.09
Ohio:									
Akron	4.06*	--	5.0	50	14	16	16	--	--
Cleveland	4.13*	--	5.8						
	(3.55*a	4.33	5.0	45-50	14.5	16	16	shortage	--
15 Cincinnati	(3.85*b		3.50 off	48-					
	3.00*a	--	4.50 on	52	14	15	15	--	--
Toledo	3.60-3.70	--	Flat	44	13.5	15	15	--	--
16 Columbus	3.45	--	6.0	43	12	14	--	--	--
Dayton	No Reports Received								
Oklahoma:									
Oklahoma City	3.50	--	10.0	50	15	18	17*-18	--	--
Tulsa	3.68-4.13	--	10.5-11.8	55	16	--	18*-20	equal	--
Oregon:									
Eugene	3.55	--	Flat	40	13	15	15	equal	-9.6
Salem	No Reports Received								
Portland	3.05*c	--	5.0	45	12	14	--	--	--
Pennsylvania:	4.19*	--	5.8						
Pittsburgh	(3.40*a	--	5.0	44-48	15.5	16	16	--	+0.25
	4.40*b	--	4.0		14-				
17 Philadelphia	(3.87*ab	4.19	4.0	48-56	14.5	15	15	surplus	--
Harrisburg	3.25-3.94*b	--	4.0	--	--	--	--	--	--
18 Wilkes-Barre	3.43a	--	4.0	52	15	15	15	shortage	--
Scranton	No Reports Received								
Rhode Island:									
Providence	4.65*b	--	d	58	15.5	17.5	--	--	--
Newport	5.00*b	--	d	56	15	17	17	--	--
South Carolina:									
Charleston	No Reports Received								
Greenville	6.40-6.98	--	Flat	70	--	--	--	surplus	--
South Dakota:									
Sioux Falls	3.75	--	Flat	45-50	14	14	14-17	--	--
Tennessee:									
Memphis	4.32	--	Flat	50	--	16	--	--	--
19 Nashville	d	--	d	45	16	17	17	equal	--
Chatanooga	3.33	--	9.5	60	16	17-19	--	--	--
Texas:									
Dallas	3.85	--	11.0	60	--	21	18	surplus	--
Fort Worth	No Reports Received								
Galveston	--	--	--	50-60	--	20	20	--	--
El Paso	No Reports Received								
San Antonio	" "	--	"						
Utah:									
Salt Lake City	3.26-3.49	--	Flat	33	11	12.5	13	--	--
Vermont:									
Burlington	2.50-3.00	--	Flat	--	11-12	14	13	--	--
Virginia:									
20 Richmond	5.06-5.18	--	Flat	56	16	16	16	--	--
Roanoke	4.65	--	Flat	52	15	17	15	--	--
Norfolk	4.65	--	Flat	45-50	15	--	15	equal	--
Washington:									
21 Seattle	3.58*	--	7.0	41	11	14	12	surplus	+7.6
Spokane	3.25-3.73*	--	5.0	44-48	12-13.5	14-15.5	14-15.5	--	--
West Virginia:									
Wheeling	4.00	--	5.0	48	14	16	16	--	--
Clarksburg	3.80	--	8.0	40	14	16	17	--	--
Wisconsin:									
Milwaukee	3.75*	--	Flat	42	12	13	13	--	--
Beloit	No Reports Received								
Green Bay	2.95	--	7.0	38	11.5	13	13	surplus	--
LaCrosse	--	--	--	--	--	--	10-bulk	--	--
JULY PRICES RECEIVED TOO LATE FOR PUBLICATION IN THE JULY REPORT									
Arkansas:									
Little Rock	4.07a	--	11.63	50	16	20	20	shortage	+8.7
Pennsylvania:									
Harrisburg	3.94	--	4.0	48	12	14	14	--	--
South Dakota:									
Sioux Falls	3.75	--	Flat	45-50	14	14	14-17	--	--
Texas:									
Dallas	3.85	--	11.0	60	--	21	18	surplus	--

Page 3 - August 1920 Fluid Milk Market Report.

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Illinois:	\$	\$	Cts	Cts	Cts	Cts	Cts		%
Chicago	4.20*		Flat						
	(3.70*a	4.75	4.0	50-52	15-16	16	15-16	shortage	--
Peoria	3.60*	--	6.0	36	--	16	--	shortage	+ 5.0
Rockford	3.70*	--	4.0	46	13	14	14	--	+ 4.5
Indiana:			Flat						
Ft. Wayne	(2.60a	3.05	Flat	45	13	15	15-16	surplus	--
	(2.80-3.52		--						
Indianapolis	2.28-2.38ad	--	6.5-6.8	42-44	12	14	14	equal	- 1.6
South Bend	3.70	--	4.0	40	12	14	14	equal	--
Evansville	3.42	--	9.77g	47	14.5	16	16	surplus	--
Iowa:									
Des Moines	3.50*	--	5.0	40-45	13	15	15	surplus	--
Dubuque	No--Reports	Received							
Sioux City	3.30	--	6.0	45	13.5	15	15-16	equal	--
Davenport	--	--	--	40	12	14	13*-14	--	--
Kansas:									
Topeka	3.00	--	Flat	45	13	15	15	surplus	--
Kansas City	3.22	--	2.9	50	13	15	15	--	--
Wichita	3.08	--	Flat	--	12	15	14-15	--	--
Kentucky:									
Louisville	3.33d	--	5.0g	40	14	16	16	shortage	--
Lexington	4.07-4.65	--	Flat	55-60	15-16.25	20	18-20	shortage	--
Louisiana:									
Baton Rouge	4.42*	--	4.0	50	15	19	--	shortage	--
New Orleans	4.42*b	--	5.0	50	15	17	17	--	--
Alexandria	4.65	--	Flat	50	15	--	20	--	--
Maine:									
Auburn	2.82*a	--	5.7h	54	14.75	--	--	--	--
Portland	2.82*a	--	5.7h	54	14.75	--	--	--	--
Maryland:	4.13*		5.8						
Baltimore	(3.40a	4.12	Flat	58	15-16	16	16	equal	--
Cumberland	4.30	--	3.0	54-60	16	17	17-19	surplus	--
Massachusetts:	4.65*b	See							
Boston	(3.94*ab	Footnote		54-56	15.75	17.5	17.5	surplus	--
Springfield	4.65*b	--	Flat	56	15	17	--	shortage	--
Fall River	5.00	--	Flat	52	14	16-17	16	equal	--
Worcester	No Reports	Received							
Pittsfield	4.42	--	Flat	--	--	16	16	surplus	--
Michigan:									
Detroit	3.70*	--	4.0	52	15	16	16	equal	--
Grand Rapids	3.43-3.60*	--	6.0	42-45	12-13	14-15	14-15	shortage	--
Kalamazoo	4.00*	--	Flat	48	13	15	15	--	--
Bay City	3.60	--	4.0	44	12	14	14	shortage	--
Minnesota:									
Minneapolis	3.51*dc	--	5.0	46	12.5	14	14	--	--
St. Paul	3.51*dc	--	5.0	46	12.5	14	--	--	--
Duluth	3.25	--	5.0	44	13	15	15	--	--
Winona	--	--	--	46	12	13	13	shortage	+ 3.8
Missouri:									
Kansas City	2.97-3.78		3.5						
St. Joseph	(2.36-3.43a	3.62	8.5	45-50	14-15	15-16	16	surplus	- 5.0
	No Reports	Received							
St. Louis	(3.84-4.42*		Flat						
	3.75*a	--	3.0	52	15	16	15	shortage	--
Montana:	3.33-3.49		Flat						
Butte	(3.15a	--	9.0	40-45	12.5	15	--	surplus	--
Nebraska:	2.98		8.5		12.5-				
Lincoln	(2.63a	--	7.5	48-50	13	14-15	14-15	--	--
Omaha	(2.50								
	2.10a	3.17	5.0	42.5	12-14	15.2	14-15	--	--
Nevada:									
Carson City	2.91	--	Flat	35	12	12	--	shortage	--
New Hampshire:									
Concord	--	--	--	--	12	15	--	--	--
Manchester	No Reports	Received							
New Jersey:									
Atlantic City	4.68	--	4.0	56	16	18	17	--	--
	4.00-4.24		4.0						
Newark	(3.56*a	--	4.0	46-48	14	17	17	--	--
	4.40		4.0						
Trenton	(3.68*a-3.87*ab	--	4.0	--	15	15	17-18	--	--
Camden	4.45	--	4.0	--	--	15	--	surplus	--
New York:	3.91		Flat						
Buffalo	(3.42*a	--	4.0	--	14	16	16	shortage	--
New York	3.55*a	4.43	4.0	46	17	17	17	shortage	--
Rochester	3.51-3.91		Flat						
	(3.43a	--	4.0	46	13	14.5	14.5	--	--
Albany	3.64a	--	Flat	44	16	16	16	--	--
Syracuse	3.91	--	4.0	48	14	16	16	shortage	--

Explanations Regarding Prices and Other Data Given in Table III.

Dealers' selling prices apply to milk delivered to homes of retail customers or to business establishments of wholesale customers. Retail store prices apply to systems of chain stores operated on the "cash and carry" basis and to independent groceries operating on a "credit and delivery" basis. In case, "cash and carry" stores sell at reduced prices, this class of stores selling prices are indicated by an asterisk ().

**Estimated surpluses or shortages are based on the current receipts of milk from the regular patrons supplying the leading dealers, compared with their past month's sales and the prospective market demand conditions for the present month.

***Comparisons of increases or decreases in monthly sales of market milk and the usual by-products handled by milk dealers are based on the sales records of same firms reporting for each month. It is important to note that the percentages given in the last column of this table are representative of sales conditions of only one or two of the larger dealers in each city and do not necessarily represent the actual condition for the market as a whole.

a This price applies to milk delivered at dealers' country receiving stations or at producers' railway shipping points. In the second column of this table there is given the f.o.b. city cost of bulk milk purchased on this basis including both transportation costs and country station operating expenses of one or more of the larger milk marketing concerns operating in this market. See footnote corresponding to number preceding the name of the city or market in order to ascertain the particular zone rate to which prices given in first column apply..

b The price given for this market in the first column of the table is applicable only to that portion of the dealers' supply that is resold in the form of fluid milk and cream or to such a portion of each individual producer's supply as comes within the limits of variation in production that is permitted by the terms of his contract with the dealer.

c In this market a producers' marketing agency, or association, arranges for the disposition of all surplus milk at whatever prices it is able to obtain, either by selling it to concerns which buy the milk for purposes of converting it into manufactured dairy products or by manufacturing the surplus in factories operated by the association or agency itself.

d In this market the price of milk is based on some accepted wholesale market quotation for butter or for American cheese. In case no prices are given it is because they are dependent upon the average of the quotations for the current month.

e Fat in excess of 4% is paid for on the basis of current prices paid by creameries for cream used in making butter or on the basis of some accepted wholesale butter market quotations. In San Diego a premium of 14 cents over the San Francisco market is paid per pound of "excess fat".

f In this market the price to be paid to each producer is determined by multiplying the price allowed per pound of butterfat by the average number of pounds of butterfat contained in the milk delivered and adding an extra allowance for the non-fat content of whole milk. In those markets where the allowance per pound butterfat is agreed upon in advance, the amount of such an allowance per point or 1/10 pound butterfat (in a hundredweight of milk) is given in the third column of the table.

1. For the San Diego method of determining milk prices see page 5 of the February report.

2. For basis of producers' prices and surplus plan in the New Haven, Waterbury and Hartford markets, see note 3 page 5 of the April report.

In New Haven one dealer's country stations are located in the 21-30 mile zone of the New York regional market and the New York Dairymen's League prices apply to milk purchased there. In the Hartford market the Dairymen's League prices apply to milk delivered at country stations located in the 61/70 mile zone of the New York regional market.

3. The "country station price" given for the Bridgeport market applies to shipments of milk originating in the 81-90 mile zone for the New York regional market.

4. The city of Savannah in cooperation with a charity organization sells 25 gallons of milk per day at 10 cents per quart.

5. Correction. The July price paid producers for milk delivered f.o.b. Baltimore was \$4.01 per hundredweight of 3.5% milk, with an allowance of 5.8 cents per point per cwt. for variation in test.

6. The "country station price" given for the Boston market applies to the 201-220 mile zone. The price schedule for milk delivered during July is based on \$4.65 per hundredweight f.o.b. Boston. When milk is bought by weight and test the dealer will make allowances for variations in butterfat test on the basis of the average monthly quotations of the Boston Chamber of Commerce for creamery extra butter per pound. This price per pound or per point shall be added to each 0.1 of 1% above 3.7% and deducted for each 0.1 of 1% below 3.7% for each hundredweight of milk. The association further accepts the loss arising from surplus production by their members according to terms and conditions of the surplus plan previously adopted by the Federal Milk Commission for New England.

7. A leading dealer reporting for the Detroit market advises that their milk purchases each month are not settled until about the 20th of the following month.

8. The method of determining prices for the Minneapolis and St. Paul markets (described in note e page 5 of the January 1920 Report) has been modified as follows. The price of 100 pounds 3.5% milk will be determined by averaging ten times the

average of the Plymouth, Wisconsin quotations for cheese (styles "Twins", "Daisies" and "Young Americas") for the preceding month; with 5.2 times the average of the New York quotations for 92 score butter for the preceding month; plus an arbitrary differential which will vary as follows: August 85¢, September 90¢, October 95¢, November 90¢, December 80¢, January 1921 70¢, February 65¢, March 60¢, April 55¢, May 50¢, June 40¢, and July 60¢. For the fat in milk above or below 3.5%, 5¢ per 1/10% will be added or deducted.

9. A cooperative producers association supplying milk to the Omaha market reports that the August price of milk will be determined in September and will be dependent on the previous month's sales.

10. \$3.55a applies to shipments of milk received in Newark originating in the 200 mile zone for the New York regional market.

11. Two distinct "country station" price schedules apply to the Trenton market. \$3.68 is the Dairymen's League price applying to shipments of milk originating in the 71-80 mile zone for the New York market. \$3.87 applies to shipments originating in the 51-60 mile zone of the Philadelphia market.

12. The "country station Price" for Buffalo is the price applying to shipments of milk originating in the 390-400 mile freight zone from New York City.

13. For basis of producers' prices in the New York market see note 14, page 6 of the May report. The "country station price" given for the New York City market applies to the 200-210 mile zone.

14. The "country station price" for the Rochester market is the price applying to shipments of milk originating in the 370-380 mile freight zone from New York City.

15. In the Cincinnati market the price of \$3.85 per hundredweight is to be paid for basic quantities of milk containing from 3.5 to 4% butterfat. Basic quantities are determined by the production during November and December, 1919, and January and February 1920. Any amount delivered during June which is above the averages for these months is considered surplus and will be paid for at \$3.00 per hundredweight.

16. In the Columbus market, the price paid for deliveries of milk at "country receiving stations" is based on the Chicago butter quotations for "Extras". The August Price will be 80¢ per hundredweight plus 6¢ above the current months average Chicago 92 score butter quotations for each pound of fat contained in 100 pounds of milk.

17. For basis of producers' prices in the Philadelphia market see "Philadelphia Milk: Price Agreement" on page 6 of the April report. The "country station price" for the Philadelphia market given in Table III of this report applies to the 51-60 mile freight zone.

18. The "country station price" given for the Wilkes-Barre market applies to shipments of milk originating in the 201-210 mile zone of the New York regional market.

19. See footnote 21, page 6 of the May report for basis of producers' prices and surplus plan for the Nashville market.

20. Correction: In July a flat price ranging from \$5.12-\$5.18 per hundredweight was paid producers for milk delivered f.o.b. Richmond.

21. At a recent meeting of the Producer's Committee of Seattle, arrangements entered into with a committee representing the distributors were ratified, fixing a price of \$3.65 per hundredweight for 3.6% milk with an allowance of 7¢ for each 1/10% variation, this price to continue during the months of July, August, and September. Beginning with August this price will apply to all milk.

George Livingston,
Chief of Bureau.

Telephone

Main 4650

Br. 311-312

September 20, 1920

FLUID MILK MARKET REPORT FOR THE UNITED STATES

MONTH OF SEPTEMBER 1920

Room 1213,

Tempo Bldg. 8.

1730 D St., N.W.

Washington, D. C.

Producers' Prices for Standard Grade Milk - (Table I)

The following table presents a comparison of the net prices received by producers for fresh milk delivered f.o.b. local shipping points or milk plants operated by fluid milk dealers, or concerns whose chief business is the distribution of natural milk. These prices apply to milk testing 3.5% butterfat and differ from the f.o.b. city prices given in Table III by the costs of transportation applicable to different shipping points.

Sections	Range of Sept. Prices		Comparison of Prices for the Same Markets			
	Number	Prices	Number	1920	1920	1919
	Local	per	Local	Average	Average	Average
	Markets	Hundredweight	Markets	for August	for Sept.	for Sept.
UNITED STATES	3221	\$2.10-\$3.05	1018	\$3.64	\$3.79	\$3.53
New England	255	\$2.50-\$5.12	250	\$4.12	\$4.30	\$3.81
Middle Atlantic	1239	\$2.84-\$4.35	1214	\$3.62	\$3.87	\$3.45
E. North Central	740	\$2.30-\$4.07	601	\$3.47	\$3.49	\$3.51
W. North Central	318	\$2.10-\$4.42	316	\$3.42	\$3.45	\$3.33
South Atlantic	174	\$3.25-\$6.05	162	\$4.43	\$4.45	\$3.81
E. South Central	126	\$2.91-\$4.80	130	\$3.30	\$3.43	\$3.23
W. South Central	82	\$2.87-\$5.24	73	\$3.96	\$4.39	\$4.13
Mountain	66	\$2.91-\$3.49	61	\$3.23	\$3.34	\$3.24
Pacific	211	\$3.10-\$4.43	211	\$3.62	\$3.68	\$3.34

The states making up the geographic divisions are as follows: New England - Maine, N.H., Vt., Mass., R.I., and Conn.; Middle Atlantic - N.Y., N.J., and Pa.; East North Central - Ohio, Ind., Ill., Mich., and Wis.; West North Central - Minn., Iowa, Mo., N.D., S.D., Nebraska and Kansas; South Atlantic - Del., Md., D.C., Va., W.Va., N.C., S.C., Ga., and Florida; East South Central - Ky., Tenn., Ala., and Miss.; West South Central - Ark., La., Okla., and Texas; Mountain - Mont., Idaho, Wyo., Colo., N.M., Ariz., Utah and Nevada and Pacific - Washington, Oregon and California.

*Based mainly on old schedule of freight rates.

Prices for Special Grades of Milk and Certain Milk Products - (Table II)

The following table shows the wholesale and retail prices reported for "Special" and "certified" milk and certain other dairy products delivered at wholesale buyers' places of business and at the homes of retail consumers. Wholesale prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users. Quotations for wholesale milk and light cream have been reduced to a gallon basis. For heavy cream, the wholesale price is quoted per pound of butterfat. For prices of "standard milk", see Table III of this report.

Cities	Special Milk	Certified Milk	Cultured Buttermilk		Cottage Cheese		Light Cream 18-20% B.F.		Heavy Cream 28-40% B.F.
	Retail Price per Quart	Retail Price per Quart	Wholesale Price per Gal	Retail Price per Qt	Wholesale Price per Lb	Retail Price per Lb	Wholesale Price per Gallon	Retail Price per 1/2 pt	Wholesale Price per Lb. Butterfat
	Cts	Cts	Cts	Cts	Cts	Cts	\$	Cts	\$
Boston	21.25	28	--	11 (pt)	--	26	1.37-1.50	16	.90-.95
New York	21	28	28	12	10	20	2.00	22	1.24
Buffalo	--	30	--	--	--	--	--	23	--
Philadelphia	17	30	--	13	7	8	1.84	18	1.00
Pittsburgh	--	25	--	--	5-10	--	1.60-1.90	19-19.5	1.12
Cleveland	20	32	--	15	14	18	1.90	20	1.17
Chicago	22	25	39.5	10-13	--	13	1.65-2.00	17	1.03
Milwaukee	15	25	20	8	8	12-16	1.60	15	.90
Detroit	18-22	25	--	11 (pt)	11	16	1.20	16	1.03
Minneapolis	--	22	--	15	8	16	1.55	16	1.12
St. Louis	20	25	--	22	--	15-18	--	18	--
Des Moines	17	25	--	10-16	16	18-20	1.75-2.00	15	1.00
Washington	17-18	30	44-52	17	10	20	1.85-2.05	18-20	--
Richmond	17	--	--	16	--	--	1.70	16	1.02
Jacksonville	25-30	--	40	12	30	--	--	--	1.36
Baltimore	20	--	53	16	--	--	1.80	20	1.27
Louisville	--	--	--	16	--	--	1.44-1.50	16	.95
Memphis	--	25-30	--	--	--	--	1.45	18-22	--
New Orleans	22	25	53	17	--	--	1.90	18	1.02
Colo. Springs	15	--	--	--	10	12	1.60	13	.87
Sal. Lake City	15	--	20	8	12.5	15	1.75	15	.84
Portland	--	21	45	14	7	15	--	15	1.12
Spokane	--	--	48	15-16	10	15	1.20	15-17	1.00
San Francisco	--	25	--	17	--	20	2.00	17	.96

September Cost and Selling Prices of "Standard Grade Milk" - (Table III)

The following table presents the prevailing prices of "standard grade milk" in various markets of the United States. The prices given herewith are those paid or charged by the larger fluid milk marketing concerns of each city. If different dealers report different prices the highest and lowest prices are given in this table rather than an average of the different prices reported. In markets where there are active producers' marketing associations with whom dealers negotiate for a considerable portion of the city's milk supply, the association's selling price is indicated by an asterisk (*).

Unless the prices given in the first column of this table are followed by the letter "a" they apply to milk delivered to dealers at either city railroad terminals or at the dealer's distributing plant if deliveries are made direct from farms. When the price paid by dealers to producers applies to deliveries at country receiving stations and varies with different distance zones, the particular zone to which the given price applies is given in the footnote numbered to correspond to the number placed before the market in question.

The term "standard grade milk" is used to refer to that grade of milk which is most generally sold within the particular city for which prices are quoted. This grade of milk may be either raw or pasteurized but in case of most of the larger cities it is pasteurized. The "dealers' spread" or the difference between cost and selling prices for both wholesale and retail transactions can be ascertained if the butterfat test of milk as delivered to different classes of trade is known. The prevailing butterfat test varies with different cities. In many cities it ranges from 3.5 to 3.7%, whereas in some cities it seldom ranges below 4.0%.

To reduce prices per hundredweight to either a gallon or a quart basis divide by 11.63 or 46.53 respectively. See footnotes for basis of quotations and exceptions to given prices or special contractual provisions relating to the prices to be paid producers in different markets.

Markets for which Prices Are Given	Producers' Selling Prices per Cwt of Raw Milk Delivered in Bulk: - (Flat Prices or Reduced to 3.5% B.F. Basis	Dealers' H.O.B. City Cost per Cwt. of 3.5% Milk Collected Through Country Stations (a)	Allowances or Prices per 1/10% Butterfat in a Hundredweight of Milk	Dealers' Selling Prices*			Retail Stores' Selling Prices per Single Quart of Bottled Milk	Relation of Supply and Demand Conditions for September: ** Estimated Surplus or Shortage	Increase or Decrease in % (+ or -) of August Sales over or under July Sales. ***
				To Wholesale Trade		To Family Trade			
				Per Gallon (in lots of 5 to 20 Gallons) of Bulk Milk	Per Quart (in Cases of 12) Bottled Milk	Per Single Quart of Bottled Milk			
			Cts	Cts	Cts	Cts	Cts		%
Alabama:									
Birmingham	4.48-4.65	--	12.8-13	2 60	15	20-25	20-26	--	--
Mobile	--	--	--	40-60	--	15-25	15-25	--	--
Arizona:									
Phoenix	No Reports	Received							
Tucson	"	"	"						
Arkansas:									
Little Rock	--	--	--	50	16	20	20	shortage	+ 8.1
Fort Smith	3.50	--	10.0	50	--	20	--	--	--
California:									
San Francisco	4.51	--	2.9	49.6	14	17	16-17	--	--
Los Angeles	4.55	--	13.0	--	--	--	--	--	--
San Diego	4.45*c	--	8	--	--	--	--	--	--
Colorado:									
Denver	--	--	--	40	11	13	--	--	--
Colo. Springs	3.67	--	3.5	35-40	12	12-13	12*-15	--	--
Pueblo	--	--	--	--	--	--	--	--	--
Greeley	--	--	--	--	12	15	--	--	--
Trinidad	--	--	--	50	14	17.5	17.5	shortage	--
Connecticut:									
Hartford	4.91-5.08*	4.37	4.0	56	16	18	--	equal	--
Bridgport	3.99a	--	4.0	--	--	--	--	--	--
	3.96*a	--	4.0	--	--	--	--	--	--
	4.85*b-4.88	--	4.0	--	--	--	--	--	--
New Haven	4.04a	--	4.0	54-56	14-15	16-17	16	shortage	--
Dist. of Col.:	4.07-4.64*	--	4.0	--	--	--	--	--	--
Washington	4.18*a	--	4.0	52-56	13-15	16-17	13*-16	surplus	--
Florida:									
Jacksonville	5.76	5.18	5.8	70	22	25	25	--	--
Miami	3.67a	--	5.8	50-80	20	25	25	shortage	--
Tampa	5.81	--	Flat	60	--	20	--	--	--
Georgia:									
Atlanta	--	--	--	--	--	--	--	--	--
Augusta	5.22*	--	Flat	65	--	25	--	--	--
Savannah	4.07	--	11.63	55	14	20	20	--	--
Illinois:									
Chicago	4.07*-4.20	4.75	Flat	50-52	15-16	16	16	equal	--
Peoria	3.70*a	--	4.0	--	--	--	--	--	--
Springfield	3.70	--	4.0	46	13	14	14	shortage	neither

Page 3 - September 1920 Fluid Milk Market Report.

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			Cts	Cts	Cts	Cts	Cts		%
Indiana:	\$3.00	\$	Flat	45	13	15	15	surplus	--
Indianapolis	(2.60a	--	Flat	45	13	15	15	surplus	--
South Bend	(2.80-3.05*	--	6.5-6.8	42-44	12	14	14	surplus	+ 4.5
Evansville	2.28-2.38ad	--	4.0	44	13	15	15	equal	+21.4
Vincennes	3.70*	--	9.8g	47	14.5	16	16	surplus	--
Des Moines	3.43*	--	6.0	--	12	14	14	surplus	- 1.9
Dubuque	2.70	--	5.0	42.5-45	13	15	15	surplus	--
Sioux City	3.50	--	6.0	50	14.5	16	16	equal	--
Davenport	--	--	--	36	13	15	13*-14	--	--
Kansas:									
Topeka	3.00	--	Flat	45	13	15-16	--	--	--
Kansas City	--	--	--	--	--	--	14	--	--
Wichita	3.20	--	Flat	40	12	15	14	--	--
Kentucky:									
Louisville	3.33d	--	5.0g	40	14	16	16	shortage	--
Lexington	4.42-5.00	--	Flat	55-60	16-16.25	20	20	--	--
Louisiana:									
Baton Rouge	5.35*	--	--	--	--	--	--	shortage	--
New Orleans	5.13-5.35*	--	4.5	58	17	19	19	shortage	--
Alexandria	4.65	--	Flat	60	15	20	20	--	--
Maine:									
Auburn	No Reports	Received							
Portland	" "	" "							
Maryland:									
Baltimore	4.36*	--	5.8	58-60	16	16	16	equal	--
Cumberland	(3.65-3.78a	--	5.8	54	16	17	17-19	equal	--
Massachusetts	4.80	--	3.0	--	--	--	--	--	--
Boston	4.88*b	--	See	--	--	--	--	--	--
Springfield	(4.09*ab	--	Footnote	55-58	16.5	18-18.25	18-18.25	surplus	--
Fall River	4.83*b	--	Flat	60	16	18	13*-18	surplus	--
Worcester	4.24-4.65a	--	Flat	55	15	16-17	16-17	--	--
Pittsfield	4.76*b	--	Flat	--	--	--	--	--	--
Michigan:	4.42	--	Flat	--	12	16	16	surplus	neither
Detroit	4.10	--	4.0	52	15	16	16	surplus	+ 0.6
Grand Rapids	3.70a	--	6.0	42-45	13	15	15	shortage	--
Kalamazoo	3.78	--	Flat	--	--	--	--	--	--
Bay City	4.00*	--	--	--	--	--	--	--	--
Minnesota:									
Minneapolis	--	--	--	--	--	--	--	--	--
St. Paul	3.57*dc	--	5.0	46	12.5	14	14	--	--
Duluth	3.57*dc	--	5.0	46	12.5	14	14	--	--
Winona	3.75	--	5.0	46	14	14.5-16	16	--	neither
Missouri	3.88*	--	Flat	46	12	13	13	shortage	- 9.4
Kansas City	(3.60-3.77	--	5.8	45-50	12-15	14-16	16	surplus	- 5.0
St. Joseph	2.80-3.43a	--	--	--	--	--	--	--	--
21st. Louis	--	--	--	--	15	16	--	--	--
Montana:									
Lewistown	--	--	--	40	12.5	18	15	--	- 5.2
Butte	--	--	--	--	--	--	--	--	--
Great Falls	3.75	--	Flat	40	12.5	15	15	equal	--
Nebraska:	2.98	--	8.5	48-50	13-13.5	15	15	equal	--
Lincoln	2.62a	--	7.5	--	--	--	--	--	--
70maha	2.50	--	5.0	--	--	--	--	--	--
Nevada:	2.10a	3.25	4.0	42.5	11-14	15	13	shortage	--
Carson City	2.91	--	Flat	35	12	12	--	shortage	--
New Hampshire:									
Concord	--	--	--	--	12-13	15-16	--	--	--
Dover	--	--	--	44	12	13	--	surplus	neither
New Jersey:									
Atlantic City	4.65	--	Flat	54	15	17	--	--	--
Newark	4.30	--	4.0	50	15	18	18	--	--
Trenton	(3.85*a	--	4.0	--	--	--	--	--	--
Camden	4.40	--	4.0	54	15	15	17	--	--
New York:	3.81*ab-3.98*a	--	4.0	--	--	--	--	--	--
Buffalo	4.45	--	4.0	--	--	--	--	--	--
New York	3.96	--	Flat	--	15	17	17	shortage	--
Rochester	(3.72*a	4.73	4.0	49	18	18	18	--	--
Albany	3.85*a	--	4.0	--	--	--	--	--	--
Binghamton	4.21	--	4.0	50	14	15-15.5	15.5	surplus	--
Syracuse	(3.73*a	--	4.0	--	--	--	--	--	--
	4.17	--	Flat	44	16	16-17	16-18	surplus	--
	3.94a	--	Flat	52	14	15	15	--	--
	4.19*	--	4.0	48	14	16	16	shortage	--
	3.80a	--	--	--	--	--	--	--	--

Page - - September 1920 Fluid Milk Market Report

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North Carolina:	\$	\$	Cts	Cts	Cts	Cts	Cts		%
Asheville	4.70	--	Flat	55	15	18	--	equal	+ 1.0
Charlotte	4.65	--	Flat	60	18	20	20	shortage	--
Raleigh	4.88	--	7.0	60	--	20	--	shortage	--
North Dakota:									
Fargo	--	--	--	45	13	16	16	--	--
Jamestown	3.00	--	Flat	40	10	12.5	--	shortage	--
Ohio:									
Akron	3.90*	--	5.0	--	--	--	--	--	--
	4.19		5.8						
Cleveland	(3.60a	4.38	5.0	50	14.5	16	16	--	--
	3.90*		3.5off						
Cincinnati	(3.30*a	--	4.5on	48	14	15	15	--	--
Toledo	3.60-3.65	--	Flat	44	13.5	15	15	--	--
Columbus	3.45	--	6.0	50	14	15	--	--	--
			5.0off						
Dayton	3.25	--	6.0on	45	14	16	16	--	--
Oklahoma:									
Oklahoma City	3.50	--	10.0	50	13	15-17	15-18	--	--
Tulsa	3.68-4.20	--	10.5	55	16	20	20	--	--
Oregon:									
Corvallis	--	--	--	56	14	15	15	shortage	--
Eugene	3.55	--	Flat	40	11	15	15	equal	--
Salem	--	--	--	--	--	--	--	--	--
Portland	3.40*c	--	5.0	45	13	14	--	--	--
Pennsylvania:									
Pittsburgh	(4.30	--	5.8						
	3.50a	--	5.0	46-52	15.5	16	--	--	- 5.6
	4.40*b		4.0		14-				
Philadelphia	(3.81*ab	4.45	4.0	48-56	14.5	15	15	surplus	--
Harrisburg	3.94*b	--	4.0	44-52	13	14-16	14-16	--	--
	4.26								
Wilkes-Barre	(3.85*a	--	4.0	56	15	16	16	equal	--
Scranton	4.19-4.29	--	4.0	48	14-15	15-16	15	--	--
Rhode Island:									
Providence	4.88*b	--	d	58	16.25	18.25	--	--	--
Newport	5.00*b	--	d	56	15	17	17	--	--
South Carolina:									
Charleston	--	--	--	--	--	--	25	--	--
Greenville	6.40	--	Flat	70	--	--	--	shortage	--
South Dakota:									
Sioux Falls	3.75	--	Flat	45	14	14	14	equal	--
Tennessee:									
Memphis	4.19-4.65	--	Flat	50	--	18-20	18-20	surplus	- 0.4
Nashville	d	--	d	45	16	17	17	surplus	--
Chatanooga	3.33	--	9.5	31-37	--	--	--	--	--
Texas:									
Dallas	--	--	--	--	--	--	--	--	--
Fort Worth	--	--	--	--	--	--	--	--	--
Galveston	3.49-4.07	--	Flat	--	--	20	20	--	--
El Paso	4.45*b	--	5.0	--	--	--	--	--	--
San Antonio	3.75	--	10.7	50	17	19	19	--	--
Utah:									
Salt Lake City	3.49-3.60	--	Flat	33-35	11	12.5	13	equal	--
Vermont:									
Burlington	2.50-3.00	--	Flat	--	11	14	12	--	--
Virginia:									
Richmond	5.12-5.18	--	Flat	56	16	16	16	--	--
Roanoke	4.65	--	Flat	52	15	17	--	--	--
Norfolk	4.65	--	Flat	45-50	15	15	15	equal	--
Washington:									
Seattle	3.58*	--	7.0	40-41	11	14	--	--	--
Spokane	3.73*	--	5.0	48	13-13.5	15-15.5	15-16	shortage	--
West Virginia:									
Wheeling	4.00	--	5.0	48	14	16	16	shortage	--
Clarksburg	3.80	--	8.0	45	14	16	16	--	--
Wisconsin:									
Milwaukee	3.75*	--	Flat	42	12	13	13	surplus	--
Beloit	--	--	--	48	14	15	--	surplus	--
Green Bay	3.00	--	d	38	11.5	13	13	equal	--
La Crosse	--	--	--	--	--	--	14.2-15.6	--	--
Wausau	2.88	--	Flat	44	10.5	12	12	shortage	--
Wyoming:									
Cheyenne	2.80	--	8.0	40	12.5	15	--	equal	--

Explanations Regarding Prices and Other Data Given in Table III.

Dealers' selling prices apply to milk delivered to homes of retail customers or to business establishments of wholesale customers. Retail store prices apply to systems of chain stores operated on the "cash and carry" basis and to independent groceries operating on a "credit and delivery" basis. In case "cash and carry" stores sell at reduced prices, this class of stores selling prices are indicated by an asterisk ().

**Estimated surpluses or shortages are based on the current receipts of milk from the regular patrons supplying the leading dealers, compared with their past month's sales and the prospective market demand conditions for the present month.

***Comparisons of increases or decreases in monthly sales of market milk and the usual by-products handled by milk dealers are based on the sales records of same firms reporting for each month. It is important to note that the percentages given in the last column of this table are representative of sales conditions of only one or two of the larger dealers in each city and do not necessarily represent the actual condition for the market as a whole.

a This price applies to milk delivered at dealers' country receiving stations or at producers' railway shipping points. In the second column of this table there is given the f.o.b. city cost of bulk milk purchased on this basis including both transportation costs and country station operating expenses of one or more of the larger milk marketing concerns operating in this market. See footnote corresponding to number preceding the name of the city or market in order to ascertain the particular zone rate to which prices given in first column apply.

b The price given for this market in the first column of the table is applicable only to that portion of the dealers' supply that is resold in the form of fluid milk and cream or to such a portion of each individual producer's supply as comes within the limits of variation in production that is permitted by the terms of his contract with the dealer.

c In this market a producers' marketing agency, or association, arranges for the disposition of all surplus milk at whatever prices it is able to obtain, either by selling it to concerns which buy the milk for purposes of converting it into manufactured dairy products or by manufacturing the surplus in factories operated by the association or agency itself.

d In this market the price of milk is based on some accepted wholesale market quotation for butter or for American cheese. In case no prices are given it is because they are dependent upon the average of the quotations for the current month.

e Fat in excess of 4% is paid for on the basis of current prices paid by creameries for cream used in making butter or on the basis of some accepted wholesale butter market quotations. In San Diego a premium of 14 cents over the San Francisco market is paid per pound of "excess fat".

f In this market the price to be paid to each producer is determined by multiplying the price allowed per pound of butterfat by the average number of pounds of butterfat contained in the milk delivered and adding an extra allowance for the non-fat content of whole milk. In those markets where the allowance per pound butterfat is agreed upon in advance, the amount of such an allowance per point or 1/10 pound butterfat (in a hundredweight of milk) is given in the third column of the table.

1. For the San Diego method of determining milk prices see page 5 of the February report.

2. For basis of producers' prices and surplus plan in the New Haven, Waterbury and Hartford markets, see note 3 page 5 of the April report.

In New Haven one dealer's country stations are located in the 21-30 mile zone of the New York regional market and the New York Dairymen's League prices apply to milk purchased there. In the Hartford market the Dairymen's League prices apply to milk delivered at country stations located in the 61/70 mile zone of the New York regional market.

3. The "country station price" given for the Bridgeport market applies to shipments of milk originating in the 81-90 mile zone for the New York regional market.

4. For detailed description of method of determining prices for the Evansville, Indiana market, see page 5 of the February 1920 report. For later modification of this method see note 4 page 5 of the March report. The price to be paid for milk delivered during September was arrived at by the use of both the butterfat and the feed formulas. There is a difference resulting in these two formulas of more than 3 cents per pound butterfat or 28 cents per cwt. of 3.5% milk.

5. The "country station price" given for the Boston market applies to the 201-220 mile zone. The price schedule for milk delivered during September is based on \$4.88-1/4 per cwt. f.o.b. Boston. When milk is bought by weight and test the dealer will make allowances for variation in butterfat test on the basis of the average monthly quotations of the Boston Chamber of Commerce for creamery extra bitter per pound. This price per pound or per point shall be added to each 0.1 of 1% above 3.7% and deducted for each 0.1 of 1% below 3.7% for each hundredweight of milk. The association further accepts the loss arising from surplus production by their members according to terms and conditions of the surplus plan previously adopted by the Federal Milk Commission for New England.

6. The method of determining prices for the Minneapolis and St. Paul markets (described in note e page 5 of the January 1920 report) has been modified as follows: The price of 100 pounds of 3.5% milk will be determined by averaging ten times the average of the Plymouth, Wisconsin quotations for cheese (style "Twins", "Daisies" and "Young Americas") for the preceding month; with 5.2 times the average of the New York quotations for 92 score butter for the preceding month; plus an arbitrary differential which will vary as follows: August 85¢, September 90¢, October 95¢, November 90¢, December 80¢, January 1921 70¢, February 65¢, March 60¢, April 55¢, May 50¢, June 40¢, and July 60¢. For the fat in milk above or below 3.5%, 5¢ per 1/10% will be added or deducted.
7. A cooperative producers' association supplying milk to the Omaha market reports that the price to be paid for milk delivered in September will be determined at the end of the month and will be dependent on the previous month's sales.
8. \$3.85 applies to shipments of milk received in Newark originating in the 201-210 mile zone for the New York regional market.
9. Two distinct "country station" price schedules apply to the Trenton market. \$5.98 is the Dairymen's League price applying to shipments of milk originating in the 71 - 80 mile zone for the New York market. \$3.81 applies to shipments originating in the 51-60 mile zone of the Philadelphia market.
10. The "country station price" for Buffalo is the price applying to shipments of milk originating in the 390-400 mile freight zone from New York City.
11. For basis of producers' prices in the New York market see note 14 page 6 of the May report. The "country station price" given for the New York City market applies to the 200-210 mile zone.
12. The "country station price" for the Rochester market is the price applying to shipments of milk originating in the 370-380 mile freight zone from New York City.
13. In the Columbus market, the price paid for deliveries of milk at "country receiving stations" is based on the Chicago butter quotations for "Extras". The September price will be 80¢ per cwt plus 6¢ above the current month's average Chicago 92 score butter quotations for each pound of fat contained in 100 pounds of milk.
14. For basis of producers' prices in the Philadelphia market see "Philadelphia Milk Price Agreement" on page 6 of the April report. The "country station price" for the Philadelphia market given in Table III of this report applies to the 51-60 mile freight zone.
15. The "country station price" given for the Wilkes-Barre market applies to shipments of milk originating in the 201-210 mile zone of the New York regional market.
16. In the Greenville market the price of \$6.40 to \$6.98 per cwt. was reported as the f.o.b. city price paid for August shipments of standard or grade "B" milk. A later report of one of the Greenville dealers states the higher price of \$6.98 applied to special or grade "A" milk.
17. See footnote 21, page 6 of the May report for basis of producers' prices and surplus plan for the Nashville market.
18. At a recent meeting of the Producer's Committee of Seattle, arrangements entered into with a committee representing the distributors were ratified, fixing a price of \$3.65 per hundredweight for 3.6% milk with an allowance of 7¢ for each 1/10% variation, this price to continue during the months of July, August and September. Beginning with August this price will apply to all milk.
19. In Spokane, milk returned by wagons from routes is retailed by one of the firms at 13¢ per quart, which is 2¢ less per quart than the retail price of milk delivered on routes.
20. In the LaCrosse market bulk milk is retailed at voting booths at 10¢ per quart. The ticket system is used on routes, the price ranging from 6 to 7 (quart) tickets for \$1.00.
21. Producers supplying the St. Louis market are to receive \$3.75 per hundredweight for deliveries of 3.5% milk made during the first 15 days of September. Up to date of issue of this report no agreement had been reached as to the price to be paid for deliveries made during the latter half of the month.

George Livingston,
Chief of Bureau.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF MARKETS

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October 20, 1920

FLUID MILK MARKET REPORT FOR THE UNITED STATES

MONTH OF OCTOBER 1920

Room 1213,
Tempo Bldg. 8,
1730 D St., N.W.,
Washington, D. C.

Producers' Prices for Standard Grade Milk - (Table I)

The following table presents a comparison of the net prices received by producers for fresh milk delivered f.o.b. local shipping points or milk plants operated by fluid milk dealers, or concerns whose chief business is the distribution of natural milk. These prices apply to milk testing 3.5% butterfat and differ from the f.o.b. city prices given in Table III by the costs of transportation applicable to different shipping points.

Sections	Range of October Prices		Comparison of Prices for the Same Markets			
	Number	Prices	Number	1920	1920	1919
	Local Markets	per Hundredweight	Local Markets	Average for Sept.	Average for Oct.	Average for Oct.
UNITED STATES	2,925	\$2.10-\$6.16	2,376	\$3.77	\$3.80	\$3.68
New England	251	\$2.75-\$5.05	250	\$4.29	\$4.29	\$3.95
Middle Atlantic	1,214	\$2.84-\$4.49	1,214	\$3.85	\$3.85	\$3.39
E. North Central	652	\$2.28-\$4.09	649	\$3.53	\$3.56	\$3.62
W. North Central	217	\$2.10-\$4.42	189	\$3.11	\$3.15	\$3.13
South Atlantic	141	\$3.48-\$6.16	140	\$4.27	\$4.46	\$4.49
E. South Central	123	\$2.85-\$4.80	128	\$3.44	\$3.53	\$3.67
W. South Central	82	\$3.14-\$5.24	82	\$4.35	\$4.54	\$4.45
Mountain	117	\$2.62-\$3.49	61	\$3.27	\$3.25	\$3.12
Pacific	183	\$3.38-\$4.44	163	\$3.79	\$3.88	\$3.38

The states making up the geographic divisions are as follows: New England - Maine, N.H., Vt., Mass., R.I., and Conn.; Middle Atlantic - N.Y., N.J., and Pa.; East North Central - Ohio, Ind., Ill., Mich., and Wis.; West North Central - Minn., Iowa, Mo., N.D., S.D., Nebraska and Kansas; South Atlantic - Del., Md., D.C., Va., W. Va., N.C., S.C., Ga., and Florida; East South Central - Ky., Tenn., Ala., and Miss.; West South Central - Ark., La., Okla., and Texas; Mountain - Mont., Idaho, Wyo., Colo., N.M., Ariz., Utah and Nevada and Pacific - Washington, Oregon and California.

*Prices for the St. Louis market not included in average because of failure of dealers and producers to come to agreement.

Prices for Special Grades of Milk and Certain Milk Products - (Table II)

The following table shows the wholesale and retail prices reported for "special" and "certified" milk and certain other dairy products delivered at wholesale buyers' places of business and at the homes of retail consumers. Wholesale prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users. Quotations for wholesale milk and light cream have been reduced to a gallon basis. For heavy cream, the wholesale price is quoted per pound of butterfat. For prices of "standard milk", see Table III of this report.

Cities*	Special Milk	Certified Milk	Cultured Buttermilk		Cottage Cheese		Light Cream 18-20% B.F.		Heavy Cream 23-40% B.F.
	Retail Price per Quart	Retail Price per Quart	Wholesale Price per Gal.	Retail Price per Qt.	Wholesale Price per Lb.	Retail Price per Lb.	Wholesale Price per Gallon	Retail Price per 1/2 Pt.	Wholesale Price per Lb. Butterfat
	Cts	Cts	Cts	Cts	Cts	Cts	\$	Cts	\$
Boston	21.25	28	--	11(pt)	--	26	1.37-1.50	15	.90
New York	21	28	--	12	--	20	2.00	22	1.24
Buffalo	17	26-30	26	10	--	15	1.90	23	--
Philadelphia	17	30	--	13	7	8	1.24	18	--
Pittsburgh	--	25	--	--	10	--	1.70-1.90	19	1.42
Cleveland	20	32	--	15	14	18	1.90	20	1.17
Chicago	22	25	40	10-13	--	20.8	1.65-2.10	17-18	1.08
Milwaukee	15	25	--	--	8-10	12-16	1.60	15	.90
Detroit	22	25	--	11(pt)	--	16	1.80	16	--
Minneapolis	--	22	--	15	8	16	1.85	16	1.12
St. Louis	20	25	--	14(pt)	--	18	--	18	--
Des Moines	18	25	32	12	16	20	1.60	16	1.03
Washington	18	30	48	14-18	--	--	2.00	18-20	--
Richmond	17	--	--	16	--	--	1.70	16	1.02
Jacksonville	30	--	--	12	30	--	2.60	--	1.27
Baltimore	20	--	53-60	16	--	--	1.80-2.20	20	1.27
Louisville	--	--	--	16	--	--	1.35-1.60	16	.96
Memphis	--	30	40	10	--	--	1.60	22	--
New Orleans	22	25	53	17	--	--	1.90	18	1.01
Colo. Springs	15	--	--	--	10	12	1.60	13	.97
Salt Lake City	15	--	20	7	12.5	15	--	15	--
Portland	--	21	50	14	10	--	1.80	17	1.12
Spokane	16	--	48	15-16	--	18	1.90	15-17	1.09
San Francisco	--	25	--	17	--	20	--	18	--

*Information relative to prices in other markets will be furnished on request.

October Cost and Selling Prices of "Standard Grade Milk" - (Table III)

The following table presents the prevailing prices of "standard grade milk" in various markets of the United States. The prices given herewith are those paid or charged by the larger fluid milk marketing concerns of each city. If different dealers report different prices the highest and lowest prices are given in this table rather than an average of the different prices reported. In markets where there are active producers' marketing associations with whom dealers negotiate for a considerable portion of the city's milk supply, the association's selling price is indicated by an asterisk (*).

Unless the prices given in the first column of this table are followed by the letter "a" they apply to milk delivered to dealers at either city railroad terminals or at the dealer's distributing plant if deliveries are made direct from farms. When the price paid by dealers to producers applies to deliveries at country receiving stations and varies with different distance zones, the particular zone to which the given price applies is given in the footnote numbered to correspond to the number placed before the market in question.

The term "standard grade milk" is used to refer to that grade of milk which is most generally sold within the particular city for which prices are quoted. This grade of milk may be either raw or pasteurized but in case of most of the larger cities it is pasteurized. The "dealers' spread" or the difference between cost and selling prices for both wholesale and retail transactions can be ascertained if the butterfat test of milk as delivered to different classes of trade is known. The prevailing butterfat test varies with different cities. In many cities it ranges from 3.5 to 3.7%, whereas in some cities it seldom ranges below 4.0%.

To reduce prices per hundredweight to either a gallon or a quart basis divide by 11.63 or 46.53 respectively. See footnotes for basis of quotations and exceptions to given prices or special contractual provisions relating to the prices to be paid producers in different markets.

Markets for which Prices Are Given	Producers' Selling Prices per Cwt. of Raw Milk Delivered in Bulk: - (Flat Prices or Reduced to 3.5% B.F. Basis)	Dealers' Selling Prices Through Country Stations (a)	Allowances or Prices per 1/10% Butterfat in a Hundredweight of Milk	Dealers' Selling Prices*		Retail Stores' Selling Prices per Single Quart of Bottled Milk	Relation of Supply and Demand Conditions for October: ** Estimated Surplus or Shortage	Increase or Decrease in % (+ or -) of September Sales over or under August Sales ***
				To Wholesale Trade	To Family Trade			
				Per Gallon (in lots of 5 to 20 Gallons of Bulk Milk)	Per Quart (in Cases of 12) Bottled Milk			
Alabama:	\$	\$	Cts	Cts	Cts	Cts		
Birmingham	3.15*-4.07		9.0-11.63	--	--	20	--	--
Mobile:	--		--	45-60	--	18-25	--	--
Arkansas:								
Little Rock	No Reports Received							
Fort Smith	3.50		10.0	50	--	20	--	--
California:								
San Francisco	4.51		3.0	49.6	14-15	17	15-17	--
Los Angeles	4.55*		13.0	58	17	18	18	shortage
San Diego	4.71*		g	53.3	16	19	19	surplus
Colorado:								
Denver	3.15		9.0	40	11	13	--	--
Colo. Springs	3.67		3.5	37.5	12	12.5-13	12*-15	surplus
Pueblo	4.08		--	45	12	15	--	shortage
Greeley	--		--	--	12	15	--	shortage
Connecticut	4.91*-5.08*		4.0					
2Hartford	4.01*a	4.37	4.0	56	16	18	--	equal
3Bridgeport	3.99*a	4.35	4.0	42	16	18	--	surplus
2New Haven	4.85*		4.0					
	4.07*		4.0	54-56	14-15	16-17	16	--
Dist. of Col.	5.10*		4.0					
Washington	3.50-4.29*a	--	4.0	56-60	15	17-18	16*-18	surplus
Florida:								
Jacksonville	6.57		4.2					
	3.67a	5.52	4.2	63	18	20-28	20-28	--
Miami	5.81		Flat	50-80	--	25	25	shortage
Tampa	--		--	55	--	25	--	--
Georgia:								
Atlanta	--		--	65	--	25	--	--
Augusta	4.07		11.63	55	--	20	20	equal
Savannah	No Reports Received							
Iaho:								
Wallace	3.95		Flat	50	15	15	20	equal
Illinois:	4.13*-4.20		Flat					
Chicago	3.70*a	4.77	4.0	50-52	15-16	16	16	surplus
Peoria	3.80		6.0	40	13	16	16	shortage
Rockford	3.70		4.0	46	13	14	14	shortage

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Indiana:	\$	\$	Cts	Cts	Cts	Cts ✓	Cts		%
Ft. Wayne	3.15		Flat	45	13	15	15-16	shortage	--
Indianapolis	2.98-3.23*		7.5-8.5						
	2.28-2.56ad	--	6.5-7.3	44	12	14	14	equal	-3.0
South Bend	3.70*		4.0	44	13	15	15	equal	--
4Evansville	3.43		9.8g	47	14.5	16	16	shortage	--
Vincennes	3.05		3.0	--	12	14	14	--	+8.7
Iowa:									
Des Moines	3.75*		5.0	45	14	16	16	shortage	--
Dubuque	No Reports	Received							
	3.70		6.0						
Sioux City	(2.95a	3.70	6.0	50	14.5	16	16	shortage	--
Davenport	--		--	40	--	15	15	--	--
Kansas:									
Topeka	3.25		Flat	45	13	15	15	--	--
Kansas City	3.36		Flat	--	--	--	--	--	--
Wichita	3.20		Flat	45	12-13	14-15	--	surplus	+0.2
Kentucky:									
Louisville	3.33d		5.0g	40	14	16	16	--	--
Lexington	4.42-5.00		Flat	60	15	20	20	shortage	--
Louisiana:									
Baton Rouge	5.35*		Flat	60	--	19	19	shortage	neither
New Orleans	5.35*		4.5	58	17	19	19	shortage	--
Alexandria	4.65		Flat	60	15	20	20	--	--
Maine:									
Auburn	No Reports	Received							
Portland	" "	"							
Maryland:	4.36		5.8						
Baltimore	(3.58a	4.35	5.8	58-60	16	16	16	equal	--
Cumberland	4.80		3.0	60	17	18	18	--	--
Massachusetts:	4.88*b		See						
5Boston	(4.09*ab	--	Footnote	55	16.5	18.25	18.25	surplus	--
Springfield	4.88*		Flat	--	--	--	--	--	--
Fall River	4.30a	--	Flat	55-56	15	17	16-17	shortage	--
Worcester	No Reports	Received							
21Pittsfield	--		--	48	12	15	15	surplus	--
Michigan:									
Detroit	3.80*	4.04	4.0	48-52	15	16	16	--	--
Grand Rapids	3.60		4.0	42-45	13	14	15	surplus	--
Kalamazoo	4.00*		Flat	--	--	--	--	--	--
Bay City	3.60		4.0	44	12	14	--	--	--
Minnesota:									
6Minneapolis	3.80*dc		5.0	46	12.5	14	14	shortage	--
6St. Paul	3.80*dc		5.0	46	12.5	14	14	--	--
Duluth	3.75		5.0	46	14	15.5-16	16	--	--
Winona	4.16		Flat	50	13	14	14	shortage	--
Missouri:	2.97-3.92		--						
Kansas City	(2.15-3.57a	--	--	50	14-15	15-16	16	--	--
St. Joseph	3.00		Flat	45	12	15	15	--	--
7St. Louis	--		--	52	15	16	16	--	--
Montana:									
Lewistown	--		--	40	--	18	--	--	--
Butte	3.33-3.49		Flat						
	3.15a	--	9.0	40-45	15	15	--	surplus	-6.1
Great Falls	No Reports	Received							
Nebraska:	2.98		8.5		13-				
Lincoln	(2.62a	--	7.5	48	13.5	15	15	--	--
	2.50		5.0	42-					
8Omaha	(2.10a	3.50	5.0	42.5	12-14	15.2	14-15	shortage	--
Nevada:									
Carson City	3.49b		Flat	35	12	12	--	shortage	--
New Hampshire:									
Concord	--		--	--	12	15-16	--	--	--
Dover	4.07		Flat	44	12	13	--	surplus	-4.2
New Jersey:									
Atlantic City	4.88		Flat	58	17	19	--	--	--
	4.38-4.70		4.0						
9Newark	(3.85*a	--	4.0	50	15	18	18	--	--
	4.40		4.0						
10Trenton	(3.81*ab-4.00*a		4.0	54	15	15	17	--	--
Camden	4.45		4.0	52	15	15	--	surplus	-10.8
New York:	4.13		Flat						
11Buffalo	(3.69*a	--	4.0	+5	--	16	14.5	--	--
12New York	3.85*a		4.0	49	18	18	18	shortage	--
	4.21		4.0						
13Rochester	(3.71*a	--	4.0	50	14	15-15.5	15.5	shortage	--
	4.17		Flat						
Albany	(3.04a	--	Flat	34	16	16	16	surplus	--
Binghamton	4.19*		Flat	54	14	15	15	--	--
Syracuse	4.03		4.0	48	14	16	16	shortage	--

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North Carolina:	\$	\$	Cts	Cts	Cts	Cts	Cts		%
Asheville	4.80		--	55	15	18	--	equal	+6.3
Charlotte	5.82		Flat	60	16	20-22	20-22	shortage	--
Raleigh	5.47		7.0	65	18	20	--	shortage	--
North Dakota:									
Fargo	4.07		Flat	45	14	17	17	shortage	--
Jamestown	No Reports Received								
Ohio:									
14Akron	3.75*		5.0	50	14	16	16	--	--
	4.19		5.8						
Cleveland	(3.60a	4.38	5.0	48-50	14.5	16	16	--	--
	3.90*		3.50off						
Cincinnati	(3.30*a	--	4.50n	48	14	15	15	--	--
Toledo	--		--	44	13.5	15	15	--	--
15Columbus	3.45		6.0	50	14	15	--	--	--
Dayton	No Reports Received								
Oklahoma:									
Oklahoma City	3.50		10.0	50	15	17-18	18-20	shortage	--
Tulsa	4.13		10.0	55	18	--	25	equal	--
Oregon:									
Corvallis	No Reports Received								
Eugene	3.65		Flat	40	--	15	--	surplus	--
Salem	No Reports Received								
Portland	3.85*c		--	50	13.5	14-14.5	--	equal	--
Pennsylvania:	4.36		5.8						
Pittsburgh	(3.50a	--	5.0	46-50	15.5	16	--	--	-11.1
	4.40*b		4.0		14-				
16Philadelphia	(3.81*ab	4.45	4.0	48-56	14.5	15	15	surplus	--
Harrisburg	3.87		4.0	52	13	14	14	--	--
17Wilkes-Barre	3.85*a	4.27	4.0	56	--	16	16	surplus	--
Scranton	4.24		4.0	48	14	14	16	--	--
Rhode Island:									
Providence	4.88*b		d	60	16.5	18.5	--	--	--
Newport	5.00*b		Flat	56	15	17	17	--	--
South Carolina:									
Charleston	--		--	--	--	25	--	--	--
Greenville	--		--	70	--	25	--	--	--
South Dakota:									
Sioux Falls	3.75		Flat	--	--	14	14	equal	--
Tennessee:									
Memphis	4.80		Flat	60	--	20	22	--	--
18Nashville	d		d	45	16	19	19	--	--
Chattanooga	--		--	60	16	19	--	--	--
Texas:									
Dallas	No Reports Received								
Fort Worth	" "		"						
Galveston	3.49-4.07		Flat	50-60	15	20	20	--	--
El Paso	4.35-4.45*		5.0	55	16	20	20	shortage	-3.0
San Antonio	3.75		10.7	50	17	19	19	--	--
Utah:									
Salt LakeCity	3.26-3.49		Flat	33	11	12.5	13	equal	--
Vermont:									
Burlington	2.75-3.25		Flat	--	13	15	--	--	--
Virginia:									
Richmond	5.06-5.18		Flat	56	16	16	16	shortage	--
Roanoke	4.65		Flat	56	15	17	--	--	--
Norfolk	--		--	45-50	16	16	16	shortage	--
Washington:									
19Seattle	Undetermined		--	40	10.5	14	--	--	--
20Spokane	3.73		5.0	48	13-13.5	15.5-16	15-16	--	--
West Virginia:									
Wheeling	4.36		--	52	16	18	18	shortage	--
Clarksburg	5.16		8.0	60	18	20	20	--	--
Wisconsin:									
Milwaukee	3.75*		Flat	42	12	13	13	surplus	--
Green Bay	3.10		7.0	38	11.5	13	13	surplus	--
Beloit	3.70		Flat	48	14	15	--	--	--
La Crosse	--		--	--	--	13-16.6	--	--	--
Wausau	3.00		Flat	44	10.5	12	12	shortage	--
Wyoming:									
Cheyenne	No Reports Received								
SEPTEMBER PRICES RECEIVED TOO LATE FOR PUBLICATION IN THE SEPTEMBER REPORT.									
Colorado:									
Denver	3.15		9.0	40	11	17	--	--	--
Montana:									
Butte	3.15a		9.0	45	--	15	--	--	-17.4
Texas:									
El Paso	4.45*b		5.0	50-55	15	20	20	shortage	-10.0

Explanations Regarding Prices and Other Data Given in Table III.

Dealers' selling prices apply to milk delivered to homes of retail customers or to business establishments of wholesale customers. Retail store prices apply to systems of chain stores operated on the "cash and carry" basis and to independent groceries operating on a "credit and delivery" basis. In case "cash and carry" stores sell at reduced prices, this class of stores selling prices are indicated by an asterisk ().

**Estimated surpluses or shortages are based on the current receipts of milk from the regular patrons supplying the leading dealers, compared with their past month's sales and the prospective market demand conditions for the present month.

***Comparisons of increases or decreases in monthly sales of market milk and the usual by-products handled by milk dealers are based on the sales records of same firms reporting for each month. It is important to note that the percentages given in the last column of this table are representative of sales conditions of only one or two of the larger dealers in each city and do not necessarily represent the actual condition for the market as a whole.

aThis price applies to milk delivered at dealers' country receiving stations or at producers' railway shipping points. In the second column of this table there is given the f.o.b. city cost of bulk milk purchased on this basis including both transportation costs and country station operating expenses of one or more of the larger milk marketing concerns operating in this market. See footnote corresponding to number preceding the name of the city or market in order to ascertain the particular zone rate to which prices given in first column apply.

bThe price given for this market in the first column of the table is applicable only to that portion of the dealers' supply that is resold in the form of fluid milk and cream or to such a portion of each individual producer's supply as comes within the limits of variation in production that is permitted by the terms of his contract with the dealer.

cIn this market a producers' marketing agency, or association, arranges for the disposition of all surplus milk at whatever prices it is able to obtain, either by selling it to concerns which buy the milk for purposes of converting it into manufactured dairy products or by manufacturing the surplus in factories operated by the association or agency itself.

d In this market the price of milk is based on some accepted wholesale market quotation for butter or for American cheese. In case no prices are given it is because they are dependent upon the average of the quotations for the current month.

g Fat in excess of 4% is paid for on the basis of current prices paid by creameries for cream used in making butter or on the basis of some accepted wholesale butter market quotations. In San Diego a premium of 14 cents over the San Francisco market is paid per pound of "excess fat".

h In this market the price to be paid to each producer is determined by multiplying the price allowed per pound of butterfat by the average number of pounds of butterfat contained in the milk delivered and adding an extra allowance for the non-fat content of whole milk. In those markets where the allowance per pound butterfat is agreed upon in advance, the amount of such an allowance per point or 1/10 pound butterfat (in a hundredweight of milk) is given in the third column of the table.

1. For the San Diego method of determining milk prices see page 5 of the February report. The price to producers for September deliveries of 3.5% milk was \$4.71 per cwt. instead of \$4.45, as reported.

2. For basis of producers' prices and surplus plan in the New Haven, Waterbury and Hartford markets, see note 3 page 5 of the April report.

In New Haven one dealer's country stations are located in the 21-30 mile zone of the New York regional market and the New York Dairymen's League prices apply to milk purchased there. In the Hartford market the Dairymen's League prices apply to milk delivered at country stations located in the 61/70 mile zone of the New York regional market.

3. The "country station price" given for the Bridgeport market applies to shipments of milk originating in the 81-90 mile zone for the New York regional market.

4. For detailed description of method of determining prices for the Evansville, Indiana market, see page 6 of the February 1920 report. For later modification of this method see note 4 page 5 of the March report.

5. The "country station price" given for the Boston market applies to the 201-220 mile zone. The price schedule for milk delivered during September is based on \$4.88-1/4 per cwt. f.o.b. Boston. When milk is bought by weight and test the dealer will make allowances for variation in butterfat test on the basis of the average monthly quotations of the Boston Chamber of Commerce for creamery extra butter per pound. This price per pound or per point shall be added to each 0.1 of 1% above 3.7% and deducted for each 0.1 of 1% below 3.7% for each hundredweight of milk. Following, are the allowances made for such variation: April- 6.75¢; May- 6.0¢; June- 5.7¢; July- 5.7¢; August- 5.6-1/8¢; September- 5.85¢. The association further accepts the loss arising from surplus production by their members according to terms and conditions of the surplus plan previously adopted by the Federal Milk Commission for New England.

6. The method of determining prices for the Minneapolis and St. Paul markets (described in note e page 5 of the January 1920 report) has been modified as follows: The price of 100 pounds of 3.5% milk will be determined by averaging ten times the average of the Plymouth, Wisconsin quotations for cheese (style "Twins", "Daisies" and "Young Americas") for the preceding month; with 5.2 times the average of the New

York and sold for 92 score butter for the preceding month; plus an arbitrary differential which will vary as follows: August 30¢, September 90¢, October 95¢, November 90¢, December 80¢, January 1921 70¢, February 65¢, March 60¢, April 55¢, May 50¢, June 40¢, and July 60¢. For the fat in milk above or below 3.5%, 5¢ per 1/10% will be added or deducted.

7. Up to date of issue of this report no agreement had been reached between the producers supplying the St. Louis market and the large dealers as to the price to be paid for October deliveries of milk. Milk produced in the territory adjacent to St. Louis is being held off the market, the bulk of the supply being obtained from outside sources.

8. A cooperative producers' association supplying milk to the Omaha market reports that the price to be paid for milk delivered in October will be determined at the end of the month and will be dependent on the previous month's sales. The price paid for September deliveries was 80¢ per pound butterfat.

9. \$3.85 applies to shipments of milk received in Newark originating in the 201-210 mile zone for the New York regional market.

10. Two distinct "country station" price schedules apply to the Trenton market. \$4.00 is the Dairymen's League price applying to shipments of milk originating in the 71-80 mile zone for the New York market. \$3.81 applies to shipments originating in the 51-60 mile zone of the Philadelphia market.

11. The "country station price" for Buffalo is the price applying to shipments of milk originating in the 390-400 mile freight zone from New York City.

12. For basis of producers' prices in the New York market see note 14 page 6 of the May 1920 report. The "country station price" given for the New York City market applies to the 200-210 mile zone.

13. The "country station price" for the Rochester market is the price applying to shipments of milk originating in the 370-380 mile freight zone from New York City.

14. \$4.12 is to be paid for four-fifths of the milk delivered to the Akron market in October. A lower price of \$2.27 will be paid for the remainder, making an average price of \$3.75 per cwt. for total deliveries.

15. In the Columbus market the price paid for deliveries of milk at "country receiving stations" is based on the Chicago butter quotations for "Extras". The October price will be 80¢ per cwt. plus 6¢ above the current month's average Chicago 92 score butter quotations for each pound of fat contained in 100 pounds of milk.

16. For basis of producers' prices in the Philadelphia market see "Philadelphia Milk Price Agreement" on page 6 of the April 1920 report. The "country station price" for the Philadelphia market given in Table III of this report applies to the 51-60 mile freight zone.

17. The "country station price" given for the Wilkes-Barre market applies to shipments of milk originating in the 201-210 mile zone for the New York regional market.

18. See footnote 21, page 6 of the May 1920 report for basis of producers' prices and surplus plan for the Nashville market.

19. The price for October deliveries of milk to the Seattle market is to be set by a milk commission which was in session at date of issue of this report.

20. In Spokane, milk returned by wagons from routes is retailed by one of the firms at 13¢ per quart, which is 2¢ less per quart than the retail price of milk delivered on routes.

21. The price of October deliveries of milk to the Pittsfield market is \$4.40 per cwt. of 3.6% milk with an allowance for variation in test based on the Boston Chamber of Commerce quotations for 92 score butter for the current month.

When tickets are purchased in advance of delivery, there is a reduction of 1¢ per quart in the retail route price of milk.

George Livingston,
Chief of Bureau.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF MARKETS

Telephone
Main 4650
Br. 311-312
November 20, 1920

FLUID MILK MARKET REPORT FOR THE UNITED STATES

MONTH OF NOVEMBER 1920

RECEIVED
Bureau of Markets
Room 1213,
Temple Bldg. 8.
1730 D St., N.W.
Washington, D.C.

Producers' Prices for Standard Grade Milk - (Table I)

The following table presents a comparison of the net prices received by producers for fresh milk delivered f.o.b. local shipping points or milk plants operated by fluid milk dealers, or concerns whose chief business is the distribution of natural milk. These prices apply to milk testing 3.5% butterfat and differ from the f.o.b. city prices given in Table III by the costs of transportation applicable to different shipping points.

Sections	Range of Nov. Prices: Comparison of Prices for the Same Markets					
	Number	Prices	Number	1920	1920	1919
	Local	per	Local	Average	Average	Average
	Markets	Hundredweight	Markets	for Oct.	for Nov.	for Nov.
UNITED STATES	3157	\$2.45-\$5.82	2900	\$3.79	\$3.72	\$3.74
New England	250	3.50- 5.05	250	4.29	4.30	4.17
Middle Atlantic	1193	3.56- 4.14	1183	3.86	3.86	3.51
E. North Central	686	2.45- 4.09	626	3.57	3.30	3.63
W. North Central	341	2.50- 3.86	212	3.18	3.24	3.31
South Atlantic	134	3.26- 5.82	134	4.43	4.37	4.43
E. South Central	147	2.73- 4.68	128	3.53	3.46	4.06
W. South Central	100	3.22- 5.24	82	4.54	4.59	4.35
Mountain	118	2.45- 3.82	117	3.11	3.08	3.14
Pacific	188	3.05- 4.44	168	3.97	3.88	3.39

The states making up the geographic divisions are as follows: New England - Maine, N.H., Vt., Mass., R.I., and Conn.; Middle Atlantic - N.Y., N.J., and Pa.; East North Central - Ohio, Ind., Ill., Mich., and Wis.; West North Central - Minn., Iowa, Mo., N.D., S.D., Nebraska and Kansas; South Atlantic - Del., Md., D.C., Va., W. Va., N.C., S.C., Ga., and Florida; East South Central - Ky., Tenn., Ala., and Miss.; West South Central - Ark., La., Okla., and Texas; Mountain - Mont., Idaho, Wyo.; Colo., N. Mex., Ariz., Utah and Nevada; Pacific - Washington, Oregon and California.

Prices for Special Grades of Milk and Certain Milk Products - (Table II)

The following table shows the wholesale and retail prices reported for "special" and "certified" milk and certain other dairy products delivered at wholesale buyers' places of business and at the homes of retail consumers. Wholesale prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users. Quotations for wholesale milk and light cream have been reduced to a gallon basis. For heavy cream, the wholesale price is quoted per pound of butterfat. For prices of "standard milk", see Table III of this report.

Cities	Special Milk	Certi- fied Milk	Cultured Buttermilk		Cottage Cheese		Light Cream 18-20% B.F.		Heavy Cream 28-40% B.F.
	Retail Price per Quart	Retail Price per Quart	Whole-sale Price per Gal	Re-tail Price per Qt.	Whole-sale Price per Lb	Re-tail Price per Lb	Wholesale Price per Gallon	Retail Price per 1/2Pt	Wholesale Price per Lb. Butterfat
	Cts	Cts	Cts	Cts	Cts	Cts	\$	Cts	\$
Boston	21.25	28	--	11(pt)	--	26	1.37-1.50	16	.86-.95
New York	21	28	--	12	--	20	2.00	22	1.24
Buffalo	17	26	26	10	--	15	1.90	23	--
Philadelphia	17	30	--	13	7	8	1.84	18	--
Pittsburgh	--	--	--	--	--	--	1.60-1.90	19	.96-1.12
Cleveland	20	32	--	15	14	18	1.90	20	1.17
Chicago	22	25	--	10-13	--	20.8	1.70-1.75	17	.96
Milwaukee	14	25	--	--	7-10	12	1.50	15	.90
Detroit	22	25	28	17	8-12	15-16	1.80	16	1.08
Minneapolis	--	22	--	15	8	24	1.85	16	1.12
St. Louis	20	25	--	20	--	18	--	17-18	--
Des Moines	18	25	32	10-12	16	20	1.60	16	1.03
Washington	18	30	48	14-18	--	--	1.85-2.20	18-20	--
Richmond	17	--	--	16	--	--	1.70	16	1.02
Jacksonville	30	--	--	12	30	30	2.60	--	1.27
Baltimore	20	--	58	16	--	--	1.80	20	1.09-1.27
Louisville	--	--	--	16	--	--	1.44-1.60	16	.96
Memphis	--	35	40	--	--	--	1.60	22	--
New Orleans	22	30	53	17	--	--	1.90	18	1.02
Colo. Springs	15	--	--	--	10	12	1.60	13	.97
Salt Lake City	15	--	20	7	--	20	1.50	15	--
Portland	--	21	--	--	--	--	--	--	--
Spokane	--	--	28.48	11-15	10	--	1.90	15-17	1.09
San Francisco	--	25	--	17	15	20	1.90-2.00	17	.96

November Cost and Selling Prices of "Standard Grade Milk" - (Table III)

The following table presents the prevailing prices of "standard grade milk" in various markets of the United States. The prices given herewith are those paid or charged by the larger fluid milk marketing concerns of each city. If different dealers report different prices the highest and lowest prices are given in this table rather than an average of the different prices reported. In markets where there are active producers' marketing associations with whom dealers negotiate for a considerable portion of the city's milk supply, the association's selling price is indicated by an asterisk (*).

Unless the prices given in the first column of this table are followed by the letter "a" they apply to milk delivered to dealers at either city railroad terminals or at the dealer's distributing plant if deliveries are made direct from farms. When the price paid by dealers to producers applies to deliveries at country receiving stations and varies with different distance zones, the particular zone to which the given price applies is given in the footnote numbered to correspond to the number placed before the market in question.

The term "standard grade milk" is used to refer to that grade of milk which is most generally sold within the particular city for which prices are quoted. This grade of milk may be either raw or pasteurized but in case of most of the larger cities it is pasteurized. The "dealers' spread" or the difference between cost and selling prices for both wholesale and retail transactions can be ascertained if the butterfat test of milk as delivered to different classes of trade is known. The prevailing butterfat test varies with different cities. In many cities it ranges from 3.5 to 3.7%, whereas in some cities it seldom ranges below 4.0%.

To reduce prices per hundredweight to either a gallon or a quart basis divide by 11.63 or 46.53 respectively. See footnotes for basis of quotations and exceptions to given prices or special contractual provisions relating to the prices to be paid producers in different markets.

Markets for which Prices Are Given	Producers' Selling Prices per Cwt. of Raw Milk Delivered in Bulk: - (Flat Prices or Reduced to 3.5% B.F. Basis)	Dealers F.O.B. City Cost per Cwt. of 3.5% Milk Collected Through Country Stations (a)	Allowances or Prices per 1/10% Butterfat in a Hundredweight of Milk	Dealers' Selling Prices*			Retail Stores' Selling Prices per Single Quart of Bottled Milk	Relation of Supply and Demand Conditions for November: ** Estimated Surplus or Shortage	Increase or Decrease in % (+ or -) of October Sales over or under September Sales ***
				To Wholesale Trade Per Gallon (in lots of 5 to 20 Gallons) of Bulk Milk	To Family Trade Per Quart (in Cases of 12) Bottled Milk	To Single Quart of Bottled Milk			
Alabama:	\$	\$	Cts	Cts	Cts	Cts	Cts		
Birmingham	3.15*		9.0	--	--	20	20	--	--
Mobile	No Reports	Received							
Arkansas:									
Little Rock	3.76a	4.13	10.75	50	16	20	20	surplus	--
Fort Smith	3.50		10.0	50	--	--	20	--	--
California:									
San Francisco	4.51*c		2.9	49.6	14-15	17	16	surplus	-4.0
Los Angeles	4.55*		13.0	58	17	18	--	shortage	--
San Diego	4.71*c		g	53.3	16	19	19	shortage	--
Colorado:									
Denver	2.98		8.5	40	11	13	--	--	--
Colo. Springs	3.67		3.5	37.5	12	12.5-13	12*-15	surplus	--
Pueblo	4.08		Flat	45	12	15	--	--	--
Greeley	No Reports	Received							
Connecticut:	4.91*-5.08*		4.0						
Hartford	4.01*a	4.38	4.0	56	16	18	18	surplus	--
Bridgeport	3.99*a	4.35	4.0	42	16	18	--	--	--
New Haven	4.85*		4.0						
	4.07*a	--	4.0	54-56	14-15	16-17	16	--	--
Dist. of Col.:	5.10*		4.6						
Washington	3.50a-4.19*a	--	4.6	56-60	15-16	17-18	16-18	surplus	--
Florida:									
Jacksonville	3.67a	5.52	5.8	68	18	20-25	20-25	--	--
Miami	5.81		Flat	75-80	20	25	25	shortage	+22.5
Tampa	--		--	70	--	25	--	shortage	--
Georgia:									
Atlanta	--		--	65	--	--	--	--	--
Augusta	4.07		11.63	55	--	20	20	equal	--
Savannah	No Reports	Received							
Illinois:	3.52*-3.63*		Flat						
Chicago	3.05*a	4.11	4.0	43-44	14	15	15	surplus	--
Peoria	3.80*		6.0	40	12	16	15	shortage	+5.5
Rockford	3.05*		4.0	36	12	13	--	--	--

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Indiana:	\$	\$	Cts	Cts	Cts	Cts	Cts		%
Ft. Wayne	(3.15 2.75a		Flat Flat	45	13	15	--	surplus	--
Indianapolis	(2.98 2.45a	--	8.5 7.5	42-44	12	14	14	shortage	+5.9
South Bend	3.40		4.0	44	13	15	15	equal	--
Evansville	3.33		9.55 3.0 off	47	14.5	16	16	--	--
Vincennes	3.05		6.0 on	--	12	14	14	shortage	+15.5
Iowa:									
Des Moines	3.75*		5.0	45	14	16	16	shortage	--
Dubuque	No Reports Received								
Sioux City	(3.70 2.95a	--	6.0	50	14.5	16	16	--	--
Davenport	--		--	38	11	15	14*-15	--	--
Kansas:									
Topeka	3.50		Flat	40-45	13-14	15-16.6	15	surplus	--
Kansas City	3.36		Flat	--	--	--	--	--	--
Wichita	3.20		Flat	--	13	15	15	--	--
Kentucky:									
Louisville	3.34d		5.0g	40	14	16	16	--	--
Lexington	4.65-4.89		Flat	60	15	--	20	--	--
Louisiana:									
Baton Rouge	5.35*		Flat	--	--	--	--	--	--
New Orleans	5.12-5.35*		4.5	55-58	17	19	19	shortage	--
Alexandria	4.65		Flat	60	--	20	20	--	--
Maine:									
Auburn	No Reports Received								
Portland	" "								
Maryland:									
Baltimore	(4.25 3.30a	4.24	5.8	58	16	16	16	surplus	--
Cumberland	4.60-5.08		3.0	60	17	18	18	--	--
Massachusetts:									
Boston	(4.88*b 4.09*ab	--	See Footnote	55-56	16.5	18.25	18.25	surplus	--
Springfield	4.88*		Flat	--	--	--	14*	--	--
Fall River	4.30a	--	Flat	56	15	16-17	16*-17	--	--
Worcester	No Reports Received								
Pittsfield	4.31b		5.8	48	12	15	15	surplus	--
Michigan:									
Detroit	3.80*		4.0	52	15	16	16	equal	--
Grand Rapids	3.60		4.0	42-45	13	15	15	surplus	--
Kalamazoo	4.00*		Flat	48	13	15	15	--	--
Bay City	3.30		4.0	44	12	14	--	equal	--
Minnesota:									
Minneapolis	3.68*dc		5.0	46	12.5	14	14	--	--
St. Paul	3.68*dc		5.0	46	12.5	14	14	--	--
Duluth	3.75b		5.0	46	14	15.5-16	16	shortage	--
Winona	4.16		Flat	50	13	14	14	shortage	+9.6
Missouri:									
Kansas City	(2.80-3.92 2.45a-3.45a	--	--	50	12-15	16	16	surplus	+5.5
St. Joseph	No Reports Received								
St. Louis	(3.60 3.10*a	--	3.0	48-52	15-16	16-17	16-17	surplus	--
Montana:									
Lewistown	--		--	40	15	18	18	equal	+5.2
Butte	(3.33-3.49 3.15a	--	Flat 9.0	45-50	--	15	--	surplus	-5.9
Great Falls	No Reports Received								
Nebraska:									
Lincoln	(2.98 2.62a	--	8.5 7.5	48	12-13	15	15	--	--
Omaha	(3.90 2.50a	--	5.0 5.0	42.5	14	15.2	--	shortage	--
Nevada:									
Carson City	3.49	--	Flat	35	12	12	--	shortage	-15.0
New Hampshire:									
Concord	No Reports Received								
Dover	" "								
New Jersey:									
Atlantic City	" "								
Newark	3.85a	--	4.0	50	15	--	--	--	--
Trenton	(4.40 3.81*ab-4.00a	--	4.0	56	15	15	17	--	--
Camden	4.45		--	52	14-15	15	15	surplus	-8.2
New York:									
Buffalo	3.69*a	--	4.0	45	--	16	14.5	--	--
New York	3.85*a	5.05	4.0	49	18	18	18	shortage	--
Rochester	(4.21 3.71*a	--	Flat 4.0	50-52	14	15-15.5	15.5	surplus	--

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New York:	\$	4.17	\$	Cts	Cts	Cts	Cts	Cts	%
Albany	(3.94a	--	Flat	40.5	16	16	16-18	surplus	--
Binghampton	4.19*		Flat	54	14	15	16	--	--
Syracuse	4.03		4.0	48	14	16	16	shortage	--
North Carolina:									
Asheville	4.50		4.0	55	15	--	18	surplus	-5.8
Charlotte	5.82		Flat	65	20	22	22-23	shortage	--
Raleigh	--		--	65	--	20	--	shortage	--
North Dakota:									
Fargo	4.07		Flat	45	14	17	17	--	--
Jamestown	No Reports Received								
Ohio:									
Alton	"	"	"						
Cleveland	(3.90		5.8						
	(3.35a	4.13	5.0	48	13.5	15	15	--	--
Cincinnati	(3.90*		3.5 off						
	(3.30*a	--	4.5 on	48-52	14	15	15	--	--
Toledo	3.30a	--	Flat	44	13-13.5	15	15	--	--
13 Columbus	3.45		6.0	50	14	15	--	--	--
			5.0 off						
Dayton	3.25		6.0 on	45	14	16	16	--	--
Oklahoma:									
Oklahoma City	3.50		10.0	50	15	17	17*-18	--	--
Tulsa	3.62		10.0	55	16	--	20	surplus	--
Oregon:									
Corvallis	No Reports Received								
Eugene	"	"	"						
Salem	"	"	"						
Portland	3.40		5.0	45	13	14.5	--	surplus	+5.3
Pennsylvania:	4.36*		5.8						
Pittsburgh	(3.50a	--	5.0	44-48	15.5	16	--	--	-1.5
	4.40*b		4.0		14-				
14 Philadelphia	3.81*ab	4.45	4.0	48-56	14.5	15	15	surplus	--
Harrisburg	--		--	48	12	15	15	--	--
15 Wilkes-Barre	3.85*a	4.27	4.0	56	--	16	16	--	--
Scranton	4.19		4.0	48	15	16	16	--	--
Rhode Island:									
Providence	4.88*b		d	60	16.5	18.5	--	--	--
Newport	4.81b		Flat	--	15	17	17	--	--
South Carolina:									
Charleston	--		--	--	--	--	25	--	--
Greenville	No Reports Received								
South Dakota:									
Sioux Falls	3.75		Flat	45	14	14	14	equal	+4.0
Tennessee:									
Memphis	4.80		Flat	60	--	20	20-22	--	--
16 Nashville	3.05db		8.72	45	16	17	17	surplus	--
Chattanooga	3.50*		10.0	60	16	19	--	--	--
Texas:									
Dallas	No Reports Received								
Fort Worth	"	"	"						
Galveston	4.65		Flat	60	--	20	--	--	--
El Paso	4.45*b		5.0	--	--	--	--	--	--
San Antonio	3.75		10.7	--	16	19	--	--	--
Utah:									
Salt Lake City	3.49		Flat	35	11	12.5	13	shortage	neither
Vermont:									
Burlington	3.50		Flat	--	--	14	13	--	--
Virginia:									
Richmond	5.06-5.18		Flat	56	16	16	16	--	--
Roanoke	4.65		Flat	56	15	17	--	--	--
Norfolk	--		--	45	15	20	20	equal	--
Washington:									
17 Seattle	Undetermined		--	--	--	--	--	--	--
18 Spokane	3.73*		5.0	48	13-13.5	15-16	15-16	surplus	--
West Virginia:									
Wheeling	4.36		Flat	52	16	18	18	shortage	--
Clarksburg	5.10		8.0	60	18	20	20	--	--
Wisconsin:									
Milwaukee	2.75*		Flat	34	10	11	11	surplus	--
Beloit	3.05		4.0	42	13	14	--	--	--
Green Bay	3.10		7.0	38	11.5	13	13	surplus	--
La Crosse	--		--	--	--	13-16.6	10 bulk	--	--
Wausau	No Reports Received								
Wyoming:									
Cheyenne	"	"	"						

Explanations Regarding Prices and Other Facts Given in Table III.

* Dealers' selling prices apply to milk delivered to homes of retail customers or to business establishments of wholesale customers. Retail store prices apply to systems of chain stores operated on the "cash and carry" basis and to independent groceries operating on a "credit and delivery" basis. In case "cash and carry" stores sell at reduced prices, this class of stores selling prices are indicated by an asterisk (*).

** Estimated surpluses or shortages are based on the current receipts of milk from the regular patrons supplying the leading dealers, compared with their past month's sales and the prospective market demand conditions for the present month.

*** Comparisons of increases or decreases in monthly sales of market milk and the usual by-products handled by milk dealers are based on the sales records of some firms reporting for each month. It is important to note that the percentages given in the last column of this table are representative of sales conditions of only one or two of the larger dealers in each city and do not necessarily represent the actual condition for the market as a whole.

a This price applies to milk delivered at dealers' country receiving stations or at producers' railway shipping points. In the second column of this table there is given the f.o.b. city cost of bulk milk purchased on this basis including both transportation costs and country station operating expenses of one or more of the larger milk marketing concerns operating in this market. See footnote corresponding to number preceding the name of the city or market in order to ascertain the particular zone rate to which prices given in first column apply.

b The price given for this market in the first column of the table is applicable only to that portion of the dealers' supply that is resold in the form of fluid milk and cream or to such a portion of each individual producer's supply as comes within the limits of variation in production that is permitted by the terms of his contract with the dealer.

c In this market a producers' marketing agency, or association, arranges for the disposition of all surplus milk at whatever prices it is able to obtain, either by selling it to concerns which buy the milk for purposes of converting it into manufactured dairy products or by manufacturing the surplus in factories operated by the association or agency itself.

d In this market the price of milk is based on some accepted wholesale market quotation for butter or for American cheese. In case no prices are given it is because they are dependent upon the average of the quotations for the current month.

e Fat in excess of 4% is paid for on the basis of current prices paid by creameries for cream used in making butter or on the basis of some accepted wholesale butter market quotations. In San Diego a premium of 14 cents over the San Francisco market is paid per pound of "excess fat".

f In this market the price to be paid to each producer is determined by multiplying the price allowed per pound of butterfat by the average number of pounds of butterfat contained in the milk delivered and adding an extra allowance for the non-fat content of whole milk. In those markets where the allowance per pound butterfat is agreed upon in advance, the amount of such an allowance per point or 1/10 pound butterfat (in a hundredweight of milk) is given in the third column of the table.

1. For the San Diego method of determining milk prices see page 5 of the February report.

2. For basis of producers' prices and surplus plan in the New Haven, Waterbury and Hartford markets, see note 3 page 5 of the April report.

In New Haven one dealer's country stations are located in the 21-30 mile zone of the New York regional market and the New York Dairywomen's League prices apply to milk purchased there. In the Hartford market the Dairywomen's League prices apply to milk delivered at country stations located in the 61/70 mile zone of the New York regional market.

3. The "country station price" given for the Bridgeport market applies to shipments of milk originating in the 81-90 mile zone for the New York regional market.

4. For detailed description of method of determining prices for the Evansville, Indiana market, see page 6 of the February 1920 report. For later modification of this method see note 4 page 5 of the March report.

5. The "country station price" given for the Boston market applies to the 201-220 mile zone. The price schedule for milk delivered during November is based on \$4.88-1/4 per cwt. f.o.b. Boston. When milk is bought by weight and test the dealer will make allowances for variation in butterfat test on the basis of the average monthly quotations of the Boston Chamber of Commerce for creamery extra butter per pound. This price per pound or per point shall be added to each 0.1 of 1% above 3.7% and deducted for each 0.1 of 1% below 3.7% for each hundredweight of milk. Following are the allowances made for such variation: April- 5.75¢; May- 6.0¢; June- 5.7¢; July- 5.7¢; August- 5.6-1/8¢; September- 5.85¢; October- 5.81¢. The association further accepts the loss arising from surplus production by their members according to terms, conditions and agreed changes of the surplus plan previously adopted by the Federal Milk Commission for New England, with the provision that the producers agree to accept the surplus loss to the amount of 1/2¢ per quart. Losses in excess of 1/2¢ per quart will be borne by the dealer. The cost of administering the surplus plan is to be shared equally by producer and dealer.

6. The method of determining prices for the Minneapolis and St. Paul markets (described in note e page 5 of the January 1920 report) has been modified as follows: The price of 100 pounds of 3.5% milk will be determined by averaging ten times the average of the Plymouth, Wisconsin quotations for cheese (style "Twins", "Laisies" and "Young Americas") for the preceding month; with 5.2 times the average of the New York quotations for 92 score butter for the preceding month; plus an arbitrary differential which will vary as follows: August 85¢, September 90¢, October 95¢, November 90¢, December 80¢, January 1921 70¢, February 65¢, March 60¢, April 55¢, May 50¢, June 40¢, and July 60¢. For the fat in milk above or below 3.5%, 5¢ per 1/10% will be added or deducted.

7. The Southern Illinois Milk Producers' Association are reported to have reached an agreement with fluid milk distributors of St. Louis with respect to a uniform basis for determining the prices to be paid producers from month to month for the period of a year beginning with November 1, 1920. The contracts that have been drawn up between the association and dealers provide for the following method of calculating the prices that are to be paid for milk testing 3.5% butterfat or for milk purchased on a "flat price" basis delivered by producers at dealers' country receiving stations located within the 29¢ freight zone for a ten gallon can of milk:-

The average of the daily prices for the previous month, on the Chicago market for 92 score butter, multiplied by 3.5; plus an allowance for the value of skim milk equal to 1/2 the average for the previous month, of the daily closing quotations on the St. Louis market for a bushel of "cash corn"; plus a constant differential of 30¢ per hundredweight of milk for handling and hauling costs to producers; plus or minus a differential to take care of seasonal shortages and surplusages. The seasonal differentials agreed upon are as follows:- for November, December, January and February, add 30¢; for August add 20¢; for May and June deduct 30¢ per hundred pounds.

In order to be able to arrive at the price in advance the average prices of corn and butter referred to in the above formula shall be figured "from the 25th to the 25th of the previous month".

For milk purchased on a butterfat basis an allowance of 3¢ is made for each 1/10 percent of butterfat above or below 3.5%.

8. \$3.35 applies to shipments of milk received in Newark originating in the 201-210 mile zone for the New York regional market.

9. Two distinct "country station" price schedules apply to the Trenton market. \$4.00 is the Dairymen's League price applying to shipments of milk originating in the 71-80 mile zone for the New York market. \$3.61 applies to shipments originating in the 51-60 mile zone of the Philadelphia market.

10. The "country station price" for Buffalo is the price applying to shipments of milk originating in the 390-400 mile zone from New York City.

11. For basis of producers' prices in the New York market see note 14 page 6 of the May 1920 report. The "country station" price given for the New York City market applies to the 200-210 mile zone.

12. The "country station" price for the Rochester market is the price applying to shipments of milk originating in the 370-380 mile freight zone from New York City.

13. In the Columbus market the price paid for deliveries of milk at "country receiving stations" is based on the Chicago butter quotations for "Extras". The November price will be 60¢ per cwt. plus 6¢ above the current month's average Chicago 92 score butter quotations for each pound of fat contained in 100 pounds of milk.

14. For basis of producers' prices in the Philadelphia market see "Philadelphia Milk Price Agreement" on page 6 of the April 1920 report. The "country station" price for the Philadelphia market applies to the 51-60 mile freight zone.

15. The "country station" price given for the Wilkes-Barre market applies to shipments of milk originating in the 201-210 mile freight zone for the New York regional market.

16. See footnote 21, page 6 of the May 1920 report for basis of producers' price and surplus plan for the Nashville market.

17. The price for November deliveries of milk to the Seattle market is to be set by a milk commission which was in session at date of issue of this report.

18. In Spokane, milk returned by wagons from routes is retailed by one of the firms at 13¢ per quart, which is 2¢ less per quart than the retail price of milk delivered on routes.

George Livingston
Chief of Bureau.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF MARKETS

Telephone
Main 4650
Pr. 311-312
December 20, 1920.

FLUID MILK MARKET REPORT FOR THE UNITED STATES

MONTH OF DECEMBER 1920

Rooms H-236-242
Building F
7 & B Sts., N.W.
Washington, D.C.

Producers' Prices for Standard Grade Milk - (Table I)

The following table presents a comparison of the net prices received by producers for fresh milk delivered f.o.b. local shipping points or milk plants operated by fluid milk dealers, or concerns whose chief business is the distribution of natural milk. These prices apply to milk testing 3.5% butterfat and differ from the f.o.b. city prices given in Table III by the costs of transportation applicable to different shipping points.

Sections	Range of Dec. Prices		Comparison of Prices for the Same Markets			
	Number Local Markets	Prices per Hundredweight	Number Local Markets	1920 Average for Nov.	1920 Average for Dec.	1919 Average for Dec.
UNITED STATES	3,144	\$2.28-\$5.82	3,028	\$3.70	\$3.41	\$3.77
New England	250	3.50-5.05	250	4.30	4.23	4.18
Middle Atlantic	1,199	2.71-3.64	1,183	3.86	3.32	3.73
E. North Central	686	2.23-4.09	666	3.24	2.97	3.73
W. North Central	310	2.36-3.86	304	3.34	3.33	3.48
South Atlantic	156	2.71-5.82	132	4.36	4.20	3.88
E. South Central	130	2.85-4.58	130	3.45	3.49	4.06
W. South Central	87	2.93-5.24	82	4.59	4.22	4.55
Mountain	98	2.45-3.47	93	3.14	3.14	3.18
Pacific	223	2.49-4.44	188	3.81	3.76	3.51

The states making up the geographic divisions are as follows: - New England - Maine, N.H., Vt., Mass., R.I., and Conn.; Middle Atlantic - N.Y., N.J., and Pa.; East North Central - Ohio, Ind., Ill., Mich., and Wis.; West North Central - Minn., Iowa, Mo., N.D., S.D., Nebraska and Kansas; South Atlantic - Del., Md., D.C., Va., W. Va., N.C., S.C., Ga., and Florida; East South Central - Ky., Tenn., Ala., and Miss; West South Central - Ark., La., Okla., and Texas; Mountain - Mont., Idaho, Wyo.; Colo. N. Mex., Ariz., Utah and Nevada; Pacific - Washington, Oregon and California.

Prices for Special Grades of Milk and Certain Milk Products - (Table II)

The following table shows the wholesale and retail prices reported for "special" and "certified" milk and certain other dairy products delivered at wholesale buyers' places of business and at the homes of retail consumers. Wholesale prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users. Quotations for wholesale milk and light cream have been reduced to a gallon basis. For heavy cream, the wholesale price is quoted per pound of butterfat. For prices of "standard milk", see Table III of this report.

Cities	Special Milk	Certi- fied Milk	Cultured Buttermilk		Cottage Cheese		Light Cream 18-20% B.F.		Heavy Cream 23-40% B.F.
	Retail Price per Quart	Retail Price per Quart	Whole- sale Price per Gal	Re- tail Price per Qt	Whole sale Price per Lb	Re- tail Price per Lb	Wholesale Price per Gallon	Retail Price per 1/2 pt	Wholesale Price per Lb. Butterfat
Boston	21.25	28	--	11(pt)	--	26	1.37-1.50	16	.86-.91
New York	20	28	--	12	--	--	1.84	22	1.14
Buffalo	16	26	26	10	12	15	1.90	22	--
Philadelphia	15	28	--	--	--	--	1.60	16	--
Pittsburgh	--	25	--	--	11	--	1.60-1.90	19	.96-1.12
Cleveland	20	32	--	15	14	18	1.70	20	1.05
Chicago	22	25	--	10-12	--	20.8	1.70-1.75	17	.96
Milwaukee	14	25	--	--	7	16	1.50	15	.90
Detroit	22	25	--	18	3-10	16	1.80	16	1.09
Minneapolis	--	22	--	15	--	16	1.85	16	1.12
St. Louis	20	22-25	--	--	--	18	--	17-18	--
Des Moines	17-18	25	20-32	10-12	16-18	20	1.60	16	1.03-1.10
Washington	18	30	48	14-18	--	--	1.85-2.20	18-20	--
Richmond	17	--	--	16	--	--	1.70-2.00	16	1.02
Jacksonville	30	--	--	12	30	30	2.60	--	1.27
Baltimore	19	--	55	15	--	--	2.20	20	1.27
Louisville	--	--	--	16	--	--	1.44-1.60	16	.96
Memphis	--	30	--	12	--	--	1.50-1.75	--	1.00
New Orleans	20-22	25-30	45-53	15-17	--	--	1.40-1.90	18	.84-1.02
Colo. Springs	15	--	--	--	10	12	1.60	13	.97
Salt Lake City	15	--	20	7.5	--	20	1.70	15	1.11
Portland	--	21	45	14.5	10	15	1.80	17	1.20
Spokane	--	--	23-48	10-15	10	15	1.90	15	1.03
San Francisco	--	25	--	17	15	20	1.92-2.00	17	.96

*Page 3 - December 1920 Fluid Milk Market Report.

Fold this sheet on dotted line below in order to adjust the columns of this page to proper headings of Table III on page 2. (FOLD HERE)

Indiana:	\$	\$	Cts	Cts	Cts	Cts	Cts		%
Ft. Wayne	No Reports	Received							
Indianapolis	2.80-2.98	3.0-3.5							
South Bend	3.10	7.5	44	12	14	14	shortage	--	
Evansville	3.15	4.0	40	12	14	14	equal	--	
		9.0g	47	14.5	16	16	--	--	
		3.0off							
Vincennes	3.05	6.0on	--	12	14	--	shortage	- 0.5	
Iowa:									
Des Moines	3.75*	5.0	45	14	16	16	shortage	--	
Dubuque	3.46	3.0on	40	12	14	--	surplus	--	
		4.0off							
Sioux City	3.70	6.0							
Davenport	No Reports	Received	50	14.5	16	16	shortage	--	
Kansas:									
Topeka	3.25	Flat	50	13	17	15	--	--	
Kansas City	No Reports	Received							
Wichita	3.00	Flat	--	12	--	--	--	--	
Kentucky:									
Louisville	3.34d	5.0g	40	14	16	16	--	--	
Lexington	4.65	Flat	60	15	20	--	shortage	--	
Louisiana:									
Baton Rouge	5.35*	4.0	--	--	--	--	--	--	
New Orleans	4.20-5.35*	4.0	50-58	15-17	17-19	17-19	surplus	--	
Alexandria	4.65	Flat	60	--	20	--	--	--	
Maine:									
Auburn	No Reports	Received							
Portland	"	"	"						
Maryland:	3.66*b	5.8							
Baltimore	2.92ab	3.68	54-56	15	15	15	equal	--	
Cumberland	4.30-5.08	3.0	56-60	17	18	18	--	--	
Massachusetts:	4.83*b	See							
Boston	4.09*ab	Footnote	55	16.5	18.25	18.25	surplus	--	
Springfield	4.83*	Flat	56	--	18	18	--	--	
Fall River	4.42a	Flat	56-60	15	17	16*-17	--	--	
Worcester	No Reports	Received							
Pittsfield	4.32b	5.0	48	12	15	16	surplus	--	
Michigan:									
Detroit	3.00*	4.0	48	13	14	14	--	--	
Grand Rapids	3.06	4.0	42	13	14	14	surplus	--	
Kalamazoo	4.00*	Flat	48	13	15	15	--	--	
Bay City	2.80	4.0	--	10	12	--	--	--	
Minnesota:									
Minneapolis	3.66*ad	5.0	45	12.5	14	14	--	--	
St. Paul	3.66*ad	5.0	46	12.5	14	14	--	--	
Duluth	No Reports	Received							
Winona	4.16	Flat	50	13	14	14	equal	--	
Missouri:	2.80-3.92	varies							
Kansas City	2.36a-3.45a	-- varies	50	14-15	15-16	15-16	surplus	--	
St. Joseph	No Reports	Received							
St. Louis	3.65*	3.0							
	3.15*a	3.0	--	15	16	--	--	--	
Montana:									
Lewistown	--	4.0	40-45	15	18	--	shortage	neith	
Butte	3.33-3.49	Flat					--	--	
	3.15a	9.0	45-50	--	15	--	--	--	
Great Falls	3.49	Flat	45	--	--	--	shortage	- 15.2	
Nebraska:									
Lincoln	No Reports	Received							
Omaha	2.50a	3.90	42.5	14	16.6	--	shortage	--	
Nevada:									
Carson City	4.07	Flat	42	12	12	--	shortage	--	
New Hampshire:									
Concord	--	--	--	12	15	--	--	--	
Dover	No Reports	Received							
New Jersey:									
Atlantic City	3.72	Flat	56	15	15	15	--	--	
Newark	3.33*a	4.0	--	14	--	--	--	--	
	3.48	4.0							
Trenton	2.83*ab-3.53*a	4.0	46	13	13	15	--	--	
Camden	3.52	4.0	--	--	13	--	surplus	--	
New York:	3.84								
Buffalo	3.22*a	4.0	40-41	13.5	15	15	surplus	--	
New York	3.33*a	4.0	45	17	17	17	surplus	--	
	3.74	Flat							
Rochester	3.24*a	4.0	46	13	14.5	14.5	--	--	

Page 4 - December 1922 Fluid Milk Market Report.

Fold this sheet on dotted line below in order to adjust the columns of this page to proper headings of Table III on Page 2. (FLUID MILK)

New York	\$	¢	Cts	Cts	Cts	Cts	Cts		*
Albany	7.22a	--	Flat	--	16	15	16	surplus	--
Enghampton	3.72ac	--	Flat	--	13	14	14	--	--
Syracuse	3.56	--	4.0	44	13	15	15	shortage	--
North Carolina:									
Asheville	4.50	--	4.0	55	15	18	--	surplus	11.1
Charlotte	5.2	--	Flat	65	20	22-24	22-24	--	--
Raleigh	4.53	--	7.0	65	15	20	20	surplus	--
North Dakota:									
Wargo	4.07	--	Flat	45	14	17	17	--	--
Jamestown	3.25	--	Flat	40	12.5	14	--	equal	-14.5
Ohio:									
Akron	3.20*	--	5.0	45	13	15	--	surplus	--
Cleveland	3.77*	--	5.3	--	--	--	--	--	--
	3.20*2a	3.25	5.0	45	13.5	15	--	--	--
Cincinnati	3.00*	--	3.50ff	--	--	--	--	--	--
	3.50*2a	--	4.50n	48-52	14	15	15	equal	--
Colo	3.45-3.55	--	Flat	--	12.5	14	--	--	--
16 Columbus	3.50	--	5.0	50-52	14	15	16	equal	--
			5.00ff	--	--	--	--	--	--
Dayton	3.25	--	5.0n	45	14	15	16	--	--
Oklahoma:									
Oklahoma City	3.15	--	6.0	60	15	17	17	--	--
Tulsa	4.22	--	10.0	55	16	20	20-25	surplus	--
Oregon:									
Corvallis	--	--	--	50	15	15	15	--	--
Eugene	No Reports Received								
Salem	"								
Portland	3.40*	--	5.0	40-45	13	14.5	16	equal	--
Pennsylvania:									
Pittsburgh	3.38*	--	5.3	--	--	--	--	--	--
	3.50*2a	--	5.0	44-50	15.5	16	--	--	-7.5
	3.48*2b	--	4.0	--	--	--	--	--	--
14 Philadelphia	3.33*2ab	--	4.0	44	12	13	13	--	--
Harrisburg	No Reports Received								
13 Williams-Barre	3.38*2a	3.55	4.0	48	--	15	16	surplus	--
Scranton	No Reports Received								
Rhode Island:									
Providence	4.83*2b	--	2	60	15.5	18.25	--	--	--
South Carolina:									
Charleston	--	--	--	50	--	--	25	--	--
Columbia	No Reports Received								
South Dakota:									
Sioux Falls	3.75	--	Flat	45	14	14	17	surplus	--
Tennessee:									
Memphis	4.45-5.25	--	Flat	50-60	18	20	20-22	--	--
12 Nashville	1b	--	1	45	15	17	17	surplus	--
Chattanooga	3.50	--	10.0	60	16	19	--	--	--
Texas:									
Dallas	3.55	--	11.0	60	17	21	14.00	surplus	113.0
Fort Worth	No Reports Received								
Galveston	3.45-3.55	--	Flat	60	16.25	20	20	shortage	6.4
El Paso	4.45*2b	--	5.0	50-55	15-17	19-20	19-20	surplus	6.0
San Antonio	No Reports Received								
San Antonio City	7.43	--	Flat	35	11	12.5	13	shortage	11.00
Vermont:									
Burlington	3.50	--	Flat	--	12	15	15	--	--
Virginia:									
Richmond	5.12	--	Flat	50	16	16	16-17	--	--
Roanoke	4.75	--	Flat	55	15	17	--	--	--
Norfolk	--	--	--	45	15	20	20	surplus	--
Washington:									
Seattle	3.50	--	Footnot	33.7	--	13	--	--	--
Spokane	3.73	--	5.0	45	13-17	15-18.5	15	surplus	--
West Virginia:									
Martinsburg	4.36	--	Flat	50	16	17	18	--	--
Charleston	5.10	--	3.0	60	17	20	22	--	--
Wisconsin:									
Madison	3.75*	--	Flat	34	10	11	11	surplus	--
Green Bay	3.40	--	4.0	77	12	13	--	--	--
Shawano	No Reports Received								
St. Croix	--	--	Flat	--	--	14-17	12-14	--	--
Wausau	3.01	--	Flat	--	12	15	15	surplus	--
Wyoming:									
Cheyenne	No Reports Received								

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b The price given for this market in the first column of the table is applicable only to that portion of the dealers' supply that is resold in the form of fluid milk and cream or to such a portion of each individual producer's supply as comes within the limits of variation in production that is permitted by the terms of his contract with the dealer.

c In this market a producers' marketing agency, or association, arranges for the disposition of all surplus milk at whatever prices it is able to obtain, either by selling it to concerns which buy the milk for purposes of converting it into manufactured dairy products or by manufacturing the surplus in factories operated by the association or agency itself.

d In this market the price of milk is based on some accepted wholesale market quotation for butter or for American cheese. In case no prices are given it is because they are dependent upon the average of the quotations for the current month.

e Fat in excess of 4% is paid for on the basis of current prices paid by creameries for cream used in making butter or on the basis of some accepted wholesale butter market quotations. In San Diego a premium of 14 cents over the San Francisco market is paid per pound of "excess fat".

f In this market the price to be paid to each producer is determined by multiplying the price allowed per pound of butterfat by the average number of pounds of butterfat contained in the milk delivered and adding an extra allowance for the non-fat content of whole milk. In those markets where the allowance per pound butterfat is agreed upon in advance, the amount of such an allowance per point or 1/10 pound butterfat (in a hundredweight of milk) is given in the third column of the table.

1. The Associated Milk Producers Association of San Francisco reports a price of \$4.51 per hundredweight for 3.5% milk delivered during the first fifteen days of December and \$4.04 for the latter half of the month.

2. For the San Diego method of determining milk prices see page 5 of the February 1920 report.

3. The price of \$2.975 per hundredweight for 3.5% milk quoted for the Denver market applies to the first fifteen days of December, only. At date of issue of this report the price to be paid for deliveries made the latter half of the month had not been determined.

4. For basis of producers' prices and surplus plan in the New Haven, Waterbury and Hartford markets, see note 3 page 5 of the April 1920 report.

In New Haven one dealer's country stations are located in the 21-30 mile zone of the New York regional market and the New York Dairymen's League prices apply to milk purchased there. In the Hartford market the Dairymen's League prices apply to milk delivered at country stations located in the 61-70 mile zone of the New York regional market.

5. The "country station price" given for the Bridgeport market applies to shipments of milk originating in the 81-90 mile zone for the New York regional market.

6. For detailed description of method of determining prices for the Evansville, Indiana market, see page 6 of the February 1920 report. For later modification of this method see note 4 page 5 of the March report.

7. A large dealer in New Orleans reports that a price of \$5.12 per hundredweight for 3.5% milk will be paid for deliveries made during the first fifteen days of December and \$4.20 will be paid for deliveries made the latter half of the month.

8. The "country station price" given for the Boston market applies to the 201-220 mile zone. The price schedule for milk delivered during December is based on \$4.83-1/4 per hundredweight f.o.b. Boston. When milk is bought by weight and test the dealer will make allowances for variation in butterfat test on the basis

December 1920 Fluid Milk Market Report.

Average monthly quotations of the Boston Chamber of Commerce for creamery butter per pound. This price per pound or per point shall be added to each point above 3.7% and deducted for each 0.1 of 1% below 3.7% for each hundredweight of milk. Following are the allowances made for such variation: April - 5.7¢; May - 6.0¢; June - 5.7¢; July - 5.7¢; August - 5.5¢; September - 5.85¢; October - 5.81¢; November - 5.86¢. The association further accepts the loss arising from surplus production by their members according to terms, conditions and agreed changes of the surplus plan previously adopted by the Federal Milk Commission for New England, with the provision that the producers agree to accept the surplus loss to the amount of 1/2¢ per quart. Losses in excess of 1/2¢ per quart will be borne by the dealer. The cost of administering the surplus plan is to be shared equally by producer and dealer.

9. The method of determining prices for the Minneapolis and St. Paul markets (described in note e page 5 of the January 1920 report) has been modified as follows: The price of 100 pounds of 3.5% milk will be determined by averaging ten times the average of the Plymouth, Wisconsin quotations for cheese (style "Twins", "Daisies" and "Young Americas") for the preceding month; with 5.2 times the average of the New York quotations for 92 score butter for the preceding month; plus an arbitrary differential which will vary as follows: August 85¢, September 90¢, October 95¢, November 90¢, December 80¢, January 1921 70¢, February 65¢, March 60¢, April 55¢, May 50¢, June 40¢, and July 60¢. For the fat in milk above or below 3.5%, 5¢ per 1/10% will be added or deducted.

10. The Southern Illinois Milk Producers' Association are reported to have reached an agreement with fluid milk distributors of St. Louis with respect to a uniform basis for determining the prices to be paid producers from month to month for the period of a year beginning with November 1, 1920. The contracts that have been drawn up between the association and dealers provide for the following method of calculating the prices that are to be paid for milk testing 3.5% butterfat or for milk purchased on a "flat price" basis delivered by producers at dealers' country receiving stations located within the 29¢ freight zone for a ten gallon can of milk:-

The average of the daily prices for the previous month, on the Chicago market for 92 score butter, multiplied by 3.5; plus an allowance for the value of skim milk equal to 1/2 the average for the previous month, of the daily closing quotations on the St. Louis market for a bushel of "cash corn"; plus a constant differential of 30¢ per hundredweight of milk for handling and hauling costs to producers; plus or minus a differential to take care of seasonal shortages and surpluses. The seasonal differentials agreed upon are as follows:- for November, December, January and February, add 30¢; for August add 20¢; for May and June deduct 40¢ per hundred pounds.

In order to be able to arrive at the price in advance the average prices of corn and butter referred to in the above formula shall be figured "from the 25th to the 25th of the previous month".

For milk purchased on a butterfat basis an allowance of 3¢ is made for each 1/10 per cent of butterfat above or below 3.5%.

11. \$3.38 applies to shipments of milk received in Newark originating in the 201-210 mile zone for the New York regional market.

12. Two distinct "country station" price schedules apply to the Trenton market. \$3.53 is the Dairymen's League price applying to shipments of milk originating in the 71-80 mile zone for the New York market. \$2.63 applies to shipments originating in the 51-60 mile zone of the Philadelphia market.

13. The "country station price" for Buffalo is the price applying to shipments of milk originating in the 390-400 mile zone from New York City.

14. For basis of producers' prices in the New York market see note 14 page 6 of the May 1920 report. The "country station" price given for the New York City market applies to the 200-210 mile zone.

15. The "country station" price for the Rochester market is the price applying to shipments of milk originating in the 370-380 mile freight zone from New York City.

16. In the Columbus market the price paid for deliveries of milk at "country receiving stations" is based on the Chicago butter quotations for "Extras". The December price will be 60¢ per cwt. plus 6¢ above the current month's average Chicago 92 score butter quotations for each pound of fat contained in 100 pounds of milk.

17. For basis of producers' prices in the Philadelphia market see "Philadelphia Milk Price Agreement" on page 6 of the April 1920 report. The "country station" price for the Philadelphia market applies to the 51-60 mile freight zone.

18. The "country station" price given for the Wilkes-Barre market applies to shipments of milk originating in the 201-210 mile freight zone for the New York regional market.

19. See footnote 21, page 6 of the May 1920 report for basis of producers' price and surplus plan for the Nashville market.

20. The price of \$2.90 per hundredweight reported for the Seattle market applies to milk testing 3.5% butterfat, an allowance based on the Seattle quotations for butterfat is made for variation in test.

21. In Spokane, milk returned by wagons from routes is retailed by one of the firms at 13¢ per quart, which is 2¢ less per quart than the retail price of milk delivered on routes.

George Livingston,
Chief of Bureau.